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**Cummins
Power
Systems**

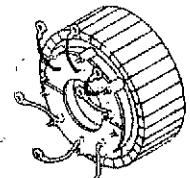
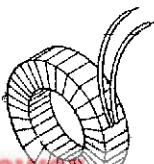
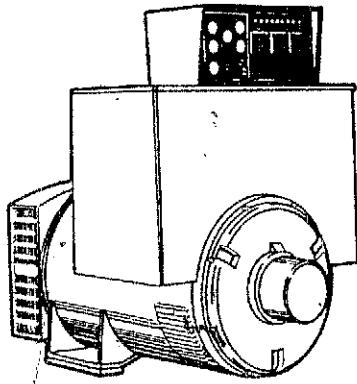
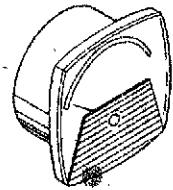
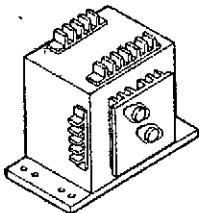
Parts Catalog

KT38

KTA38

KTIA38

PMG Generator Set



**Power
Generation**

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**Power
Generation**

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Introduction

This Parts Catalog applies to the Generator Sets Listed below. The illustrations are arranged in groups of related items, and each part, or assembly is identified by a Reference Number. All parts illustrated are typical, and unless otherwise mentioned in the description column the parts are interchangeable between models. Dual Part No. may be applicable; CPS are Cummins Power Systems assigned Part Numbers and CEC are the Cummins Engine Company assigned Part Numbers.

These typical illustrations are subject to change and reflect only the latest replacement parts arrangement. The Right and Left sides of the Generator Set are determined by FACING the FRONT of the Set (Engine Radiator End)

Set Data Table

ENGINE ID. NO.	GEN SET ID NO.	RPM RATING	BATTERY VOLTAGE
Note 1. KT38-G*#	Note 2 xxxKT@ - \$	1800 RPM/ 1500 RPM	24 VDC
KTA38-G*#	xxxKTA@ - \$	1800 RPM/ 1500 RPM	24 VDC
KTTA38-G*#	xxxKTT@ - \$	1800 RPM/ 1500 RPM	24 VDC

Note:1 * - Letter S for Standby. Letter C for Continuous Duty applications

Note:1 # - Number 1 thru 9 used to denote size variations.

Note:2 x - Numbers used to denote kW ratings: eg: 230 means 230,000/watt set.

Note:2 @ - Number used to denote size variations.

NOTE:2 \$ - Numbers and a letter used to provide configuration identification.

Electrical Data Table

VOLTAGE LOW Y	HIGH Y	HERTZ	WIRE	PHASE	NOTES
190/110	380/219	60	12	3	
208/120	416/220	60	12	3	
220/127	440/254	60	12	3	
230/133	460/266	60	12	3	
240/139	480/277	60	12	3	
190/110	380/219	50	12	3	
200/115	400/231	50	12	3	
208/120	416/240	50	12	3	

Engine Replacement Parts

The External Engine Components added or modified during the Generator Set Assembly and most General Maintenance Items are identified in this Parts Catalog. For Internal Engine Parts and Components not covered herein; refer to the applicable Cummins Engine G Drive Parts Catalog.



**Power
Generation**

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General Information

For parts or service, contact the distributor from whom you purchased this equipment or refer to the nearest Authorized Cummins Distributor.

To avoid errors or delays in filling your parts order, always give the full MODEL, SERIAL and ID No. from the nameplate.



AC Generator Set Model _____

kW	kva	pf	phase
voltage	amps		
duty	overload		
rpm	hz		
class of insulation	pmg voltage		
field amp max	field voltage max		
generator model no.			
voltage regulator model no.			
ID no.			
generator set serial no.			
BS5000	NEMA		

For handy reference, insert "YOUR" nameplate information in the spaces above.

AWARNING

TAKE ALL NECESSARY PRECAUTIONS WHEN CHECKING OR CHANGING ENGINE OIL NOT TO INGEST, BREATHE THE FUMES OR CONTACT THE OIL. USED ENGINE OILS HAVE BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER.

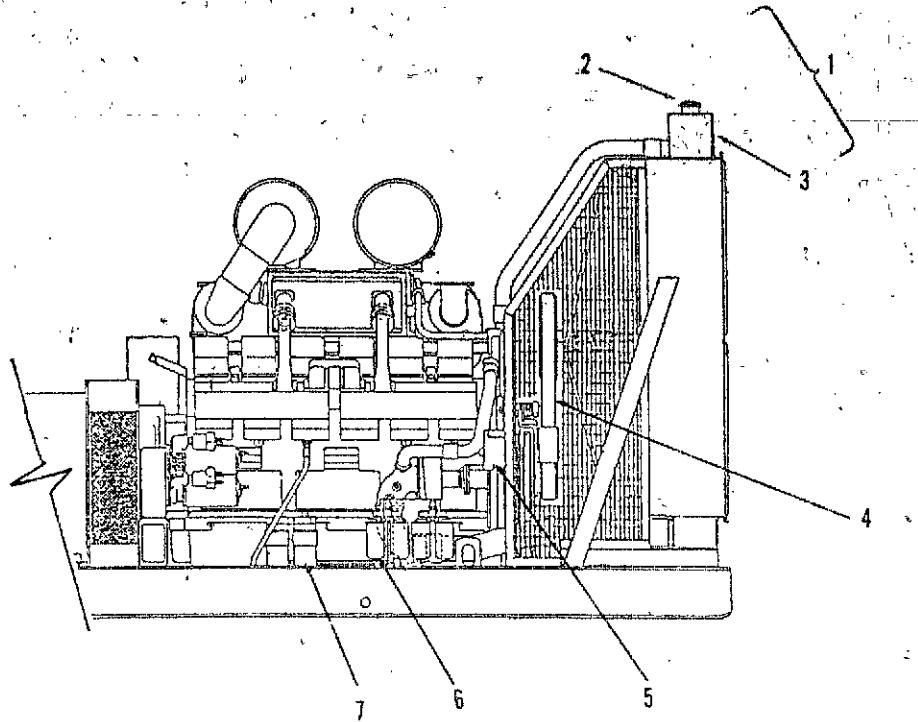
AWARNING

TAKE ALL NECESSARY PRECAUTIONS WHEN HANDLING ENGINE GASKETS. DO NOT INGEST, BREATHE, OR CONTACT DUST FROM GASKETS. USE ADEQUATE VENTILATION AND WEAR PROTECTIVE GLOVES, MASK AND CLOTHING. ASBESTOS HAS BEEN identified by some state agencies as causing cancer. Strictly prohibited.

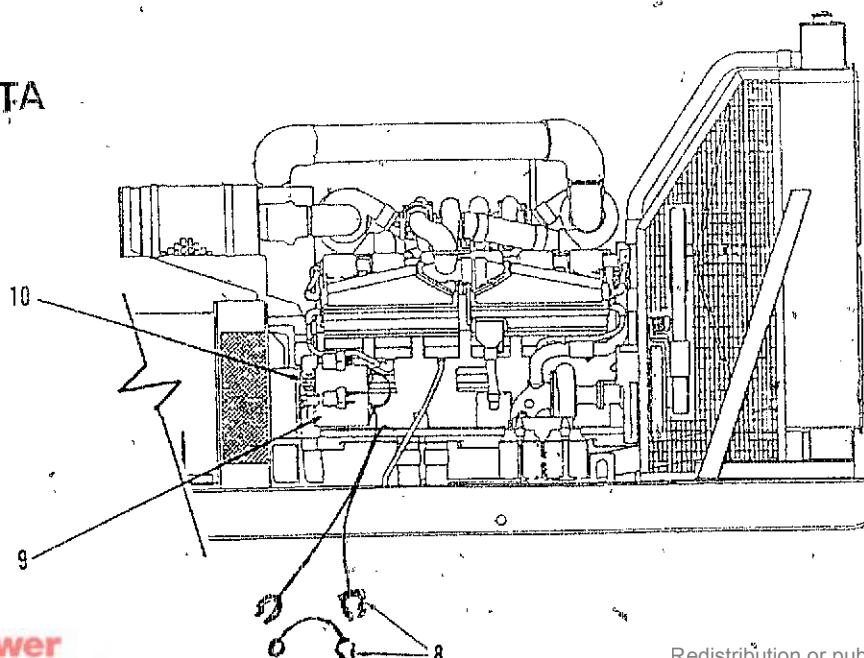


External Engine Components
Left Side

KT,KTA



KTTA



Cummins
Power
Generation

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External Engine Components
Left Side

REF	CPS NO.	CEC PART NO.	PART NO.	QTY USED	PART DESCRIPTION
1	Note 1 Note 2			1	Cooling System - Radiator (Select components as required) Spec A & B & D Spec C 1 KTA38G1 (Bearward# 53906-3PA) 1 KTA38G2 (Bearward# 53906-3P) 1 KTTA38G (Bearward# 53906-5PA)
2	130-0523 130-2981 130-3396			1	Cap, Radiator (Select as applicable) 7 PSI (For 2" Fill Tube) 7 PSI (For 3" Fill Tube) 10 PSI (For 2" Fill Tube)
3				1	Radiator (Includes Front Guards, Excludes Cap) Spec A & B & D Standard Cooling 40°C/100°F KT38G with Dry or Wet Manifold KTA38G1 with Dry Manifold KTA38G1 with Wet Manifold KTA38G2 with Dry or Wet Manifold KTTA38G with Dry Manifold (No wet Manifold Application) Hi Ambient Cooling 50°C/125°F KT38G with Dry Manifold KT38G with Wet Manifold KTA38G1 with Dry or Wet Manifold KTA38G2 with Dry Manifold KTA38G2 with Wet Manifold KTTA38G with Dry Manifold (No Wet Manifold Application)
					Spec C Standard or Hi Ambient Cooling KTA38G1 with Dry Manifold KTA38G2 with Dry Manifold KTTA38G with Dry Manifold
4	130-3402 130-3403 130-3404			1	Belt, Drive (Fan) Spec A & B & D All Models Spec C KTA38G1 & G2 KTTA38G
5		3003467		1	
6		3003243 3003341		1	
7					Alternator, Charging Components Alternator (35 Amp, 24 VDC) Pulley, Drive Belt, Drive
8		191-1846-01 3016627 130-3317-01 201986 511-0163 3040283		1	Filter, Water - W/Cordson Inhibiting Chemical DCA4 Service
9	Note 3 130-3537 130-3541	3315168 3318318		4	Pre-Charging
10	122-0526	3313283		2	Filter, Oil - Bypass Cables & Leads
	416-0473 416-0444 416-0680			2	Cable, Battery - Jumper Cable, Battery (44" Lg) Lead, Electrical
		3010125		2	Starter, 24 VDC Standard
	307-2621-02	3050692		1	Switch, Magnetic

NOTES:

1. Spec A & B & D Cooling Systems Assembled by Cummins Engine Company, for replacement components refer to the applicable Engine G-Drive Parts Manuals.
2. Spec C Cooling Systems Installed at Cummins Power System Facilities and is Supplied by Bearward. Consult with Bearward for additional replacement components.
BEARWARD ENGINEERING LTD USA Office: BEARWARD RADIATOR
Main Road, Far Cotton Route 22 Box 187
Northampton, England NN4 9HU Fleetwood, PA 19522
215-944-6017
3. Replacement cartridges recommended should be used in lieu of the Original Engine Factory installed item which contains a Pre-Charge amount of DCA or DGA4 Chemical. Replacement with Pre-charge Cartridge may overload the Cooling System and cause cooling system problems.

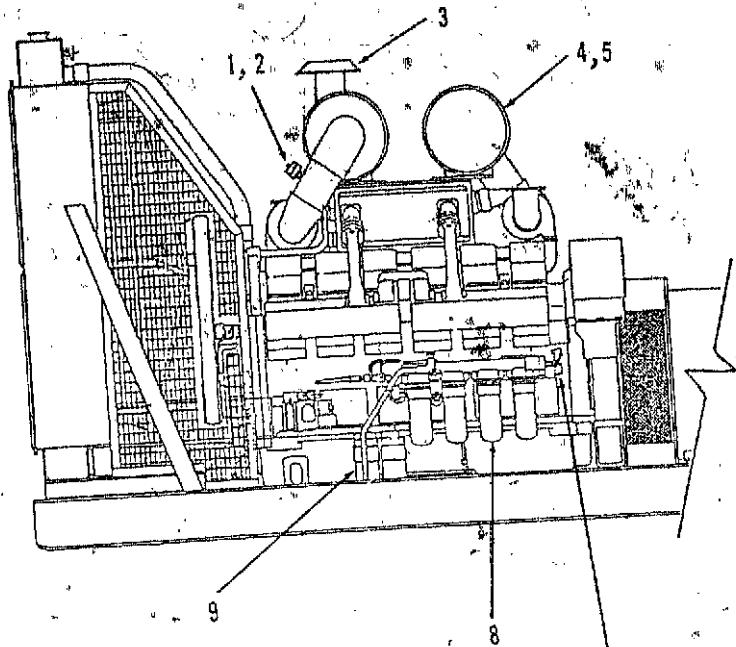
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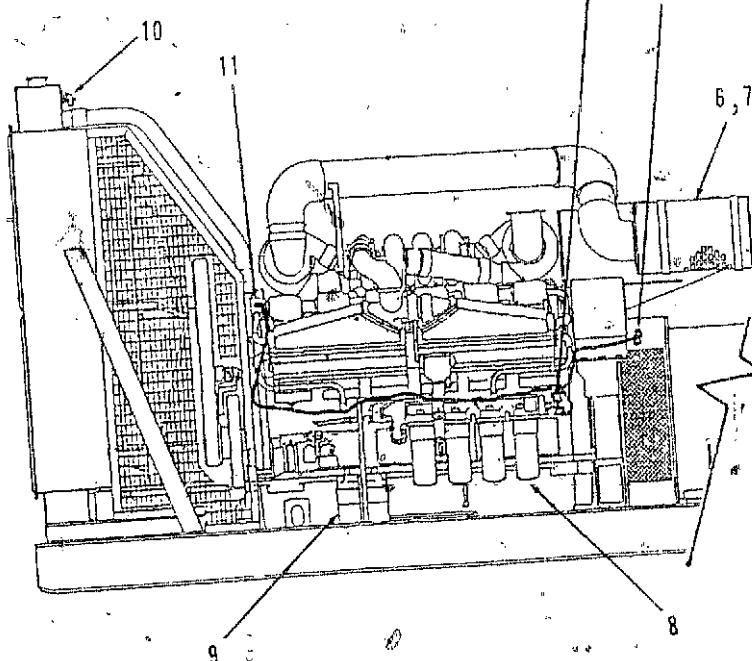
**Power
Generation**

External Engine Components
Right Side

KT,KTA



KTTA



Cummins
**Power
Generation**

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External Engine Components
Right Side

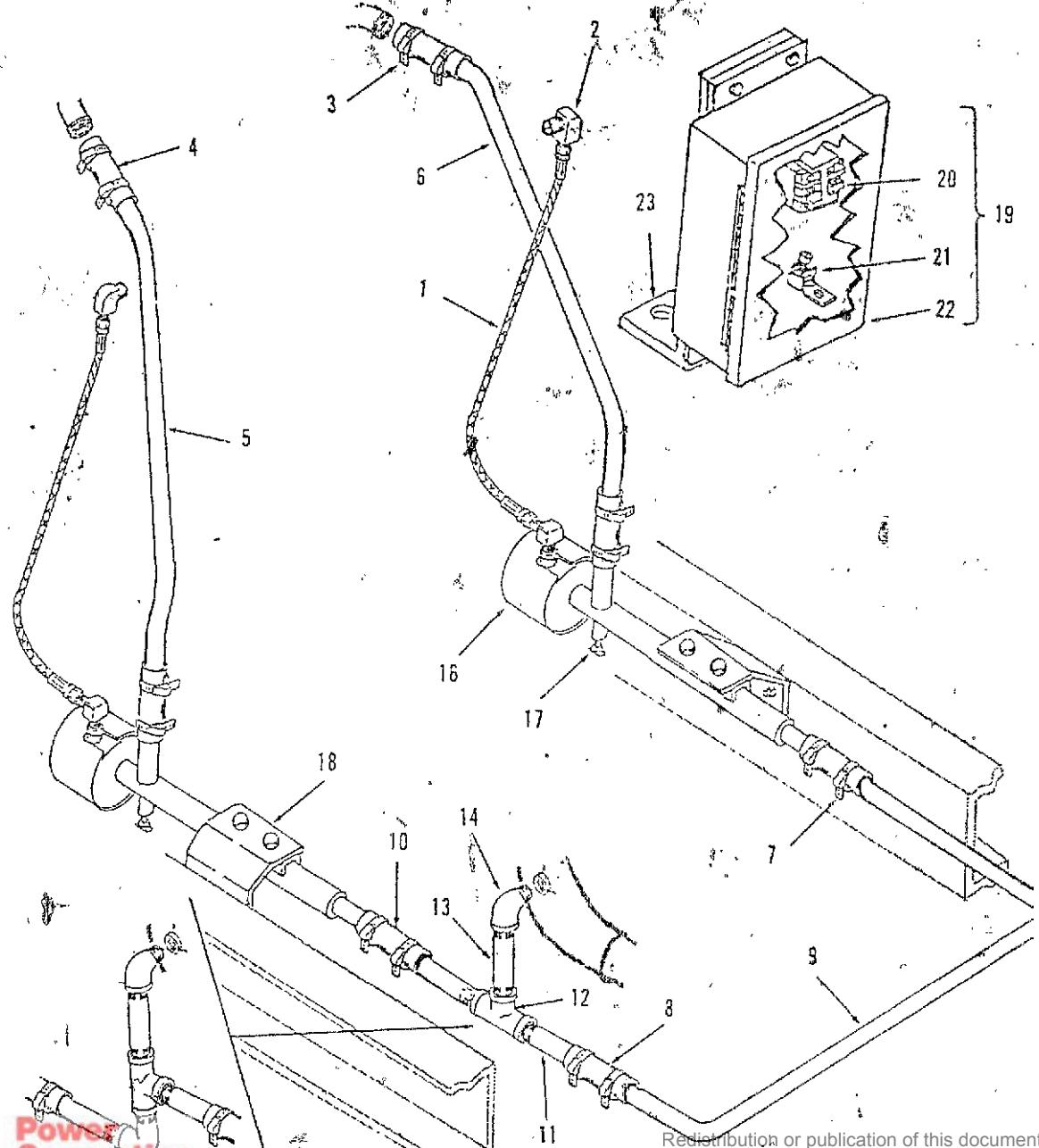
REF NO.	CPS PART NO..	CEC PART NO.	QTY USED	PART DESCRIPTION
1	140-2226	178957	2	Indicator, Air Restriction (Includes Fitting)
2	140-1260		2	Fitting, Male - Hex
3				Cap, Air Cleaner
	140-2343	3001892	4	For 6" Tube Inlet
	140-2364	3017003	2	For 8" Tube Inlet
	140-2352	3058481	2	For 10" Tube Inlet
4				Air Cleaner KT, KTA38
	140-2264	3028847	2	Indoor
	140-2363	3017002	2	Outdor (8" Inlet Tube)
	140-2344	3001893	2	Heavy Duty (Dual 6" Inlet Tubes)
	140-2345-01	3010306	2	Extra Heavy Duty (Boxed Screened Inlets)
5				Air Cleaner Element(s) KT, KTA38
	140-2402	3010842	2	Indoor & Outdoor
	140-2408	3013212	2	Heavy Duty Primary
	140-2407	3013213	2	Heavy Duty Safety
	140-2403	3013214	2	Extra Heavy Duty Primary
	140-2401	3013215	2	Extra Heavy Duty Safety
6				Air Cleaner KITA38
	140-2413	3050498	2	Indoor (Disposable)
	140-2349	3058474	2	Heavy Duty (10" Inlet Tube)
7				Air Cleaner Element(s) KITA38
	140-2411	3060222	2	Heavy Duty Primary
	140-2412	3060223	2	Heavy Duty Safety
8	122-0757	3310159	4	Filter, Oil
9	149-2232	299262	2	Filter, Fuel
10	309-0579-03	306031	1	Switch & Harness - Low Coolant Level
	338-2356-04	3035125	1	Switch, Low Coolant Level
	338-2393	3050414	1	Harness, Wiring - Switch
				Harness, Wiring - Extension
11	302-1854	3015238	2	Switch, Sender & Harness - Engine Coolant Temperature Items
	Note 1			Transducer (Sender) - Temperature (All Specs)
	309-0570	3034866	1	Spec A, B & C OLD STYLE (Nason)
	309-0569-04	3048725	1	Switch, Temperature - Alarm, Low Temp (2 Wire Harness)
	309-0572-02	3048727	1	Switch, Temperature - Shutdown, Hi Temp (2 Wire Harness)
	Note 1			Switch, Temperature - Alarm & Shutdown (4 Wire Harness)
	309-0596-06	3056355	1	Spec A,B,C & D NEW STYLE (Robert-Shaw); Spec A,B,C Require
	309-0596-04	3056353	1	Adapter Harness for interface with Engine Wiring Harness
	338-2471	3066834	1	Switch, Temperature - Alarm (u/w 338-2471 Forked Harness)
	338-2473	3066832	1	Switch, Temperature - Shutdown (u/w 338-2471 in Dual Switch
				Applications or with 338-2473 Harness in Single Application)
				Harness, Wiring (Spec A,B,C Single Switch Application)
				Harness, Wiring - Forked (Spec A,B,C Dual Switch Application)
12	302-1853	3015237	1	Switch, Sender & Harness - Engine Oil Pressure
	Note 1			Transducer (Sender)- Pressure (All Specs)
	309-0565-01	3034864	1	Spec A, B & C OLD STYLE (Nason)
	309-0568	3034863	1	Switch - Shutdown with 3 Wire Harness (12PSI)
	Note 1			Switch - Alarm & shutdown with 4 Wire Harness (12/18PSI)
	309-0595-02	3056344	1	Spec A,B,C & D NEW STYLE (Robert-Shaw); Spec A,B,C Require
	309-0595-03	3056345	1	Adapter Harness for interface with Engine Wiring Harness
	338-2472	3066830	1	Switch, Pressure - Alarm (u/w 338-2470 Forked Harness)
	338-2470	3066835	1	Switch, Pressure - Shutdown (u/w 338-2470 in Dual Switch
				Application or with 338-2472 in Single Application)
				Harness, Wiring,(Spec A,B,C Single Switch Application)
				Harness, Wiring (Spec A,B,C Dual Switch Application)
13	338-2389-01	3053027	1	Harness, Wiring - Engine
	338-2502-01	3062871	1	Spec A, B & C
				Spec D

NOTE: 1 New Style Switches introduced During Spec B & C Gen Set Assembly and Standard on Spec D Gen Sets during 1988. Replacement of old style (NASON) items with new style (ROBERT-SHAW) document items Recommended by Cummins Engine Company Engineering. by any means, is strictly prohibited.



Tow
Gen

Dual Engine Coolant Heaters
Spec. A & B & D
(Watlow Type)



Dual Engine Coolant Heaters
Spec A & B & D
(Watlow Type)

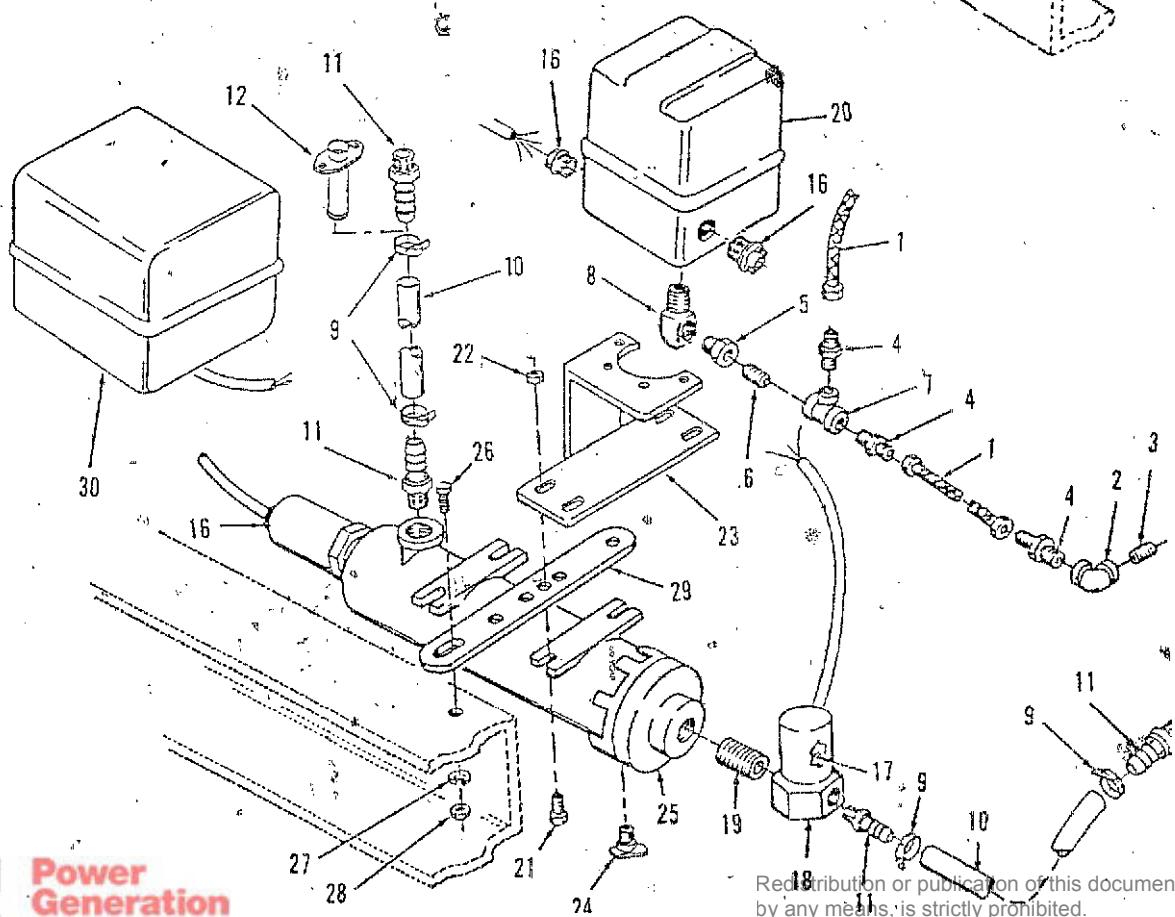
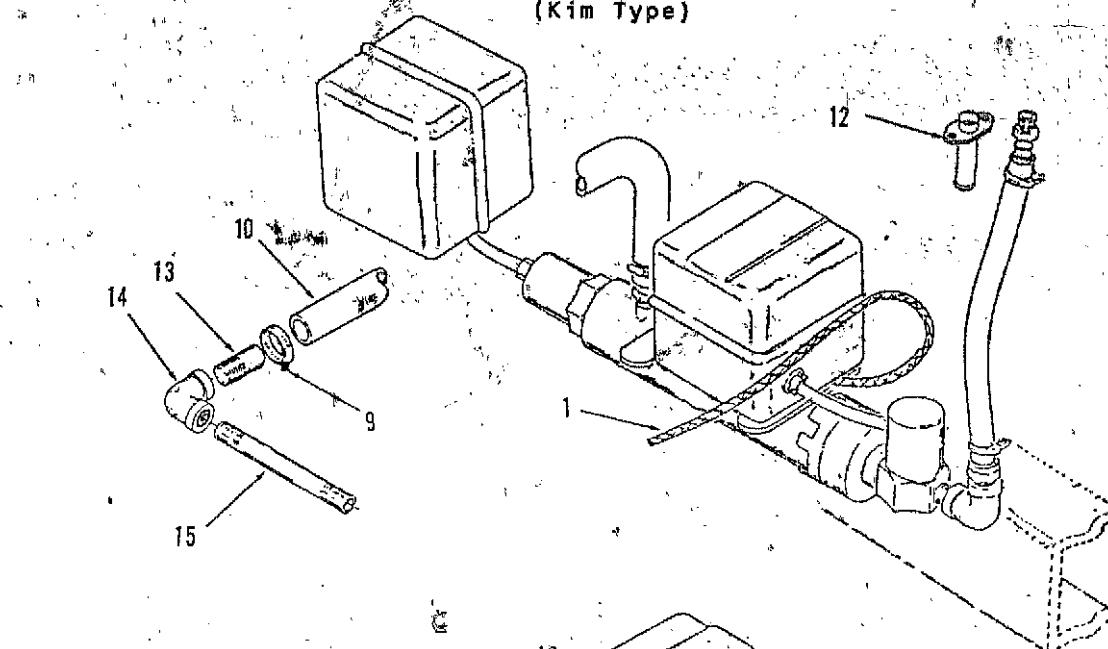
REF NO.	CPS NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1			2	Hose Assembly - Oil Pressure (Select as required) 32" Lg 40" Lg 50" Lg 60" Lg
	501-0537-03	AS4032SS		
		AS4040SS		
	501-0537-07	AS4050SS		
	501-0537-26	AS4060SS		
2	502-1043-01	68139	4	Elbow, Pipe - Male, 90 DEG
3	503-1603	43828A	8	Clamp, Hose
4	503-1602	3027706	4	Hose, Rubber
5	130-3339	3060899	1	Tube, Water
6	130-3340	3060900	1	Tube, Water
7	503-1603	43828A	6	Clamp, Hose
8		200517	2	Hose, Rubber
9		3058251	1	Tube, Water
10		3009805	1	Hose, Rubber
11		153409	2	Nipple, Pipe - Half
12		3056255	1	Fee, Pipe
13		5912C	1	Nipple, Pipe
14		5906C	1	Elbow, Pipe - Street - 90°
15		3056257	1	Elbow, Pipe - Street - 90° (Used on some installations)
16	Note 1.		2	Heater, Electrical - Coolant (Includes Thermostat, Drain Cock, Mounting Nuts and may or may not include pressure switch) With Oil Pressure Switch 120 VAC, 4000 Watt 480 VAC, 4000 Watt Without Oil Pressure Switch 120 VAC, 4000 Watt 208 VAC, 4000 Watt 480 VAC, 4000 Watt
	333-0389-06	3053979		
	333-0389-04	3056184		
	333-0413-09	3063630		
	333-0413-08	3063473		
	333-0413-10	3063631		
				Attaching Parts for Heater
	800-0222	S114	4	Screw, Cap - Hex Head (1/4-20 x 3/4")
	850-0101	S600	4	Washer, Lock - Spring (1/4")
	402-0608	3035083	4	Isolator, Vibration
	402-0609	3035084	4	Isolator, Vibration
17	504-0003	S923E	2	Cock, Drain (1/4 NPT)
18	130-3189	3056255	2	Bracket, Mounting - Heater
	800-0210	S1030	8	Attaching Parts for Bracket
	850-0103	S604	8	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
	871-0028	S254	8	Washer, Lock - Spring (3/8")
19		3063475	2	Nut, Hex - Brass (3/8-16)
20		3063477	1	Switch, Control - Heater (Includes Contactor, Ground Lug and Box), Contactor (50 AMP, 3 Pole, SPST, 120 VAC Coil)
21	Note 2.		1	Lug, Ground
22	Note 3.		1	Box, Electrical
23		3063476	2	Bracket, Mounting - Box
				Attaching Parts for Brackets
	800-0222	S114	8	Screw, Cap - Hex Head (1/4-20 x 3/4")
	850-0101	S600	8	Washer, Lock - Spring (1/4")
	862-0031	S224	8	Nut, Hex (1/4-20)

NOTE: 1. Heaters and Controls Manufactured by Watlow Industries Inc.
 Div. of Watlow Electric Co. Hannibal, Mo.
 2. Watlow No. 191-16-5-1
 3. Watlow No. 303-62-29-29



Cummins
Power
Generation

Dual Engine Coolant Heaters
Spec C
(Kim Type)



Cummins
**Power
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Dual Engine Coolant Heaters
Spec C
(Kim Type)

REF. NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	501-0199		2	Line, Fuel - Flexible
2	505-0037		1	Elbow - 90 Degree (1/8 NPT)
3	505-0104		1	Nipple, Pipe - Close (1/8 NPT x 1-1/2")
4	502-0193		4	Adapter, Hex - Pipe to Line
5	505-0007		2	Bushing, Reducer - Hex (1/4 NPT x 1/8 NPT)
6	505-0098		1	Nipple, Pipe - Close (1/8 NPT x 3/4")
7	505-0059		1	Tee, Pipe (1/8 NPT)
8	502-0054		2	Elbow, Pipe - Street, 90 Degree (1/8 NPT)
9	503-0398		8	Clamp, Hose
10	503-0249		AR	Hose, Rubber - Bulk (1"ID x 1-3/8"OD) [Sold in Multi Foot lengths, order length as required]
11	505-0759		7	Adapter, Hose to Pipe
12	130-3200	3178301	2	Adapter, Hose with Flange (Used on some applications)
12A		3177556	2	Seal - Rectangular Ring
13	505-0324		1	Nipple, Pipe - Half (3/4 NPT x 2")
14	505-0132		1	Elbow, Pipe - Street, 90 Degree (3/4 NPT)
15	505-0438		1	Nipple, Pipe (3/4 NPT x 8")
16	331-0027		12	Clamp, Cable
17				Terminals
			4	Nut, Wire
			8	Lug, Terminal - Ring (#10)
			8	Lug, Terminal - Ring (#8)
18				Switch, Thermostatic
			2	100° - 120° Fahrenheit
			2	120° - 140° Fahrenheit
19	309-0490		2	Nipple, Pipe - Close (3/4 NPT x 1-1/2")
20	309-0253		2	Switch, Pressure - Oil
				Attaching Parts for Switch
			8	Screw, Machine - Round Head (#8-32 x 1/2")
			8	Washer, Lock - ET (#8)
21	800-0008		4	Screw, Cap - Hex Head (1/4-20 x 1-1/4")
22	870-0212		4	Nut, Self-locking - Hex (1/4-20)
23	333-0224		2	Bracket, Support - Pressure Switch
24	504-0003		2	Cock, Drain
25				Heater, Electrical
			2	4000 Watt, 208 VAC - 1 Phase
			2	4000 Watt, 208 VAC - 3 Phase
			2	4000 Watt, 240 VAC - 1 Phase
			2	4000 Watt, 240 VAC - 3 Phase
			2	4000 Watt, 277 VAC - 1 Phase
			2	4000 Watt, 380 VAC - 1 Phase
			2	4000 Watt, 380 VAC - 3 Phase
			2	4000 Watt, 480 VAC - 1 Phase
			2	4000 Watt, 480 VAC - 3 Phase
26	621-0030		8	Screw, Self-locking - Hex Head (5/16-18 x 1-1/4")
27	850-0045		8	Washer, Lock - Spring (5/16")
28	862-0015		8	Nut, Hex (5/16-18)
29	130-1191		4	Bracket, Mounting
30				Contactor
			2	230 VAC, 3 Pole
			2	460 VAC, 3 Pole

GENERATOR SECTION

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GENERATOR TABLE
SPEC A & B & D

Low Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ						AT 50 HERTZ				
						380 190	416 208	440 220	460 230	480 240	380 190	400 200	416 208	380 190	400 200	416 208
MG8320	6 AS	.0	18	6	Standby Prime Pwr	610 575	640 600	660 625	680 640	700 650	540 500	550 515	570 525			
MG8321	6 A	0	18	6	Standby Prime	670 625	700 650	740 675	770 710	800 730	610 555	630 580	650 600			
MG8322	6 B	0	18	6	Standby Prime Pwr	750 680	800 730	830 770	860 800	900 820	680 620	700 640	720 660			
MG8323	6 C	0	18	6	Standby Prime Pwr	880 820	920 850	960 880	1000 920	1050 950	800 730	825 750	840 765			
MG8324	6 D	0	18	6	Standby Prime Pwr	950 880	1000 950	1050 990	1100 1020	1150 1050	875 800	900 825	920 850			
MG8326	6 A	0	18	12	Standby Prime Pwr	670 625	700 650	740 675	770 710	800 730	610 555	630 580	650 600			
MG8327	6 B	0	18	12	Standby Prime Pwr	750 680	800 730	830 770	860 800	900 820	680 620	700 640	720 660			
MG8328	6 C	0	18	12	Standby Prime Pwr	880 820	920 850	960 880	1000 920	1050 950	800 730	825 750	840 765			
MG8329	6 D	0	18	12	Standby Prime	950 880	1000 950	1050 990	1100 1020	1150 1050	875 800	900 825	920 850			
MG8330	7 A	0	18	6	Standby Prime Pwr	1120 1030	1175 1075	1200 1110	1225 1125	1250 1150	1000 920	1050 950	1075 975			
MG8331	7 B	0	18	6	Standby Prime	1300 1200	1350 1250	1420 1300	1475 1350	1500 1375	1130 1030	1160 1050	1180 1075			
MG8332	7 C	0	18	6	Standby Prime Pwr	1660 1525	1700 1600	1775 1650	1850 1725	1875 1800	1450 1350	1525 1400	1600 1450			

Medium Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ				AT 50 HERTZ			
						4160/2400				3300/1905			
MG8333	7 A	0	18	6	Standby Prime Pwr				540 500				430 400
MG8334	7 B	0	18	6	Standby Prime Pwr				810 750				650 600
MG8335	7 C	0	18	6	Standby Prime				1080 1000				860 800
MG8336	7 D	0	18	12	Standby Prime Pwr				1620 1500				1300 1200

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GENERATOR TABLE
SPEC C

Low Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ						AT 50 HERTZ		
						380 190	416 208	440 220	460 230	480 240	380 190	400 200	416 208	
9MG0020	6 AS	0	18	6	Standby Prime Pwr	610 575	640 600	660 625	680 640	700 680	540 500	550 515	570 525	
9MG0021	6 A	0	18	6	Standby Prime	670 625	700 650	740 675	770 710	800 730	610 555	630 580	650 600	
9MG0022	6 B	0	18	6	Standby Prime Pwr	750 680	800 730	830 770	860 800	900 820	580 620	700 640	720 660	
9MG0023	6 C	0	18	6	Standby Prime Pwr	880 820	920 850	960 880	1000 920	1050 950	800 730	825 750	840 765	
9MG0024	6 D	0	18	6	Standby Prime Pwr	950 880	1000 950	1050 990	1100 1020	1150 1050	875 800	900 825	920 850	
9MG0026	6 A	0	18	12	Standby Prime Pwr	670 625	700 650	740 675	770 710	800 730	610 555	630 580	650 600	
9MG0027	6 B	0	18	12	Standby Prime Pwr	750 680	800 730	830 770	860 800	900 820	680 620	700 640	720 660	
9MG0028	6 C	0	18	12	Standby Prime Pwr	880 820	920 850	960 880	1000 920	1050 950	800 730	825 750	840 765	
9MG0029	6 D	0	18	12	Standby Prime	950 880	1000 950	1050 990	1100 1020	1150 1050	875 800	900 825	920 850	
9MG0030	7 A	0	18	6	Standby Prime Pwr	1120 1030	1175 1075	1200 1110	1225 1125	1250 1150	1000 920	1050 950	1075 975	
9MG0031	7 B	0	18	6	Standby Prime	1300 1200	1350 1250	1420 1300	1475 1350	1500 1375	1130 1030	1160 1050	1180 1075	
9MG0032	7 C	0	18	6	Standby Prime Pwr	1660 1525	1700 1600	1775 1650	1850 1725	1875 1800	1450 1350	1525 1400	1600 1450	

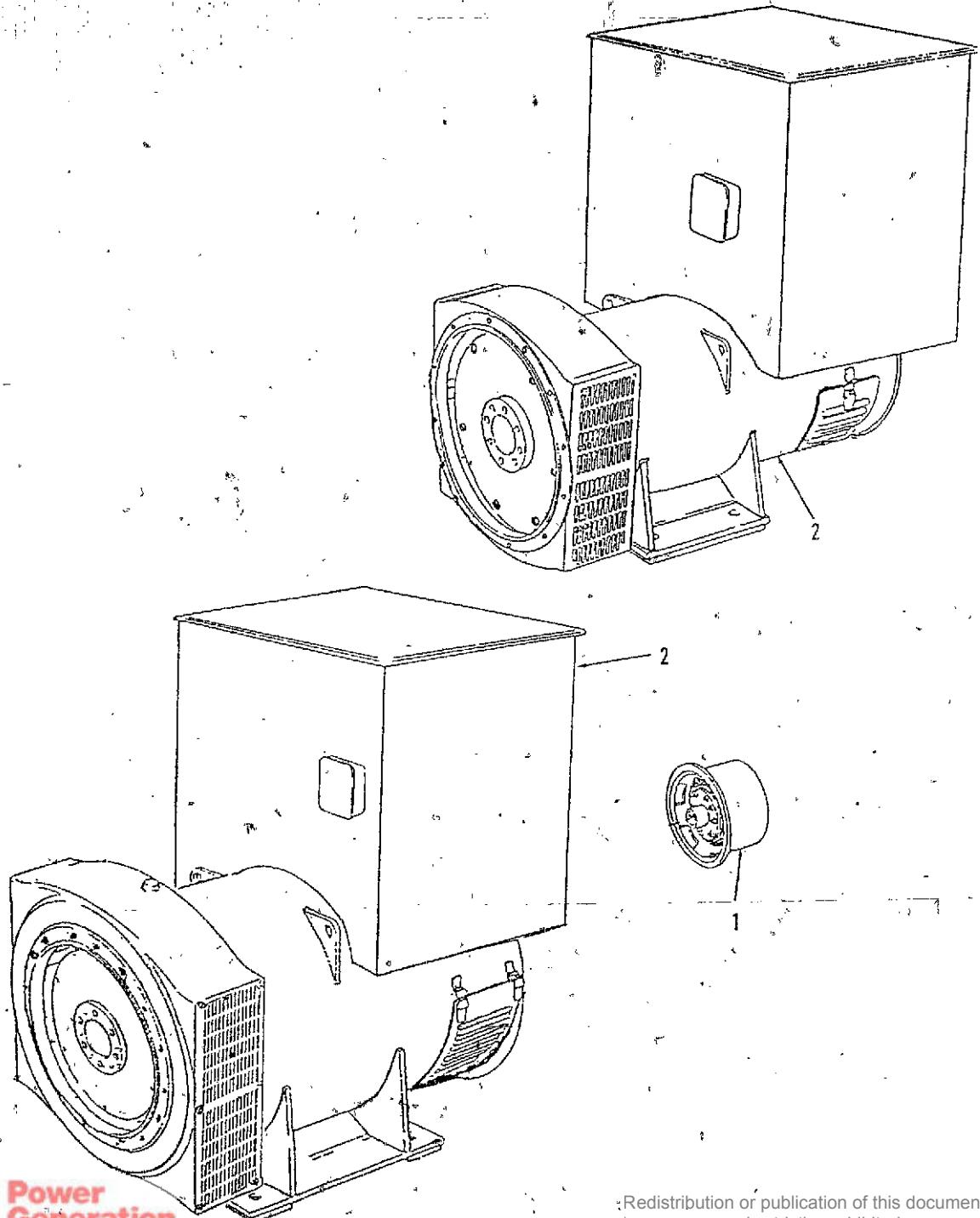
Medium Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ			AT 50 HERTZ		
						4160/2400			3300/1905		
MG8333	7 A	0	18	6	Standby Prime Pwr		540 500			430 400	
MG8334	7 B	0	18	6	Standby Prime Pwr		810 750			650 600	
MG8335	7 C	0	18	6	Standby Prime		1080 1000			860 800	
MG8336	7 D	0	18	12	Standby Prime Pwr		1620 1500		1300 1200	1300 1200	

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Generators
Frames 6 & 7
SAE 0 / SAE 18



Generators
Frames 6 & 7
SAE 0 / SAE 18

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1			1	Module, Permanent Magnet Exciter (See Separate Page for Components) Attaching Parts For Module
	249-0298		4	Screw, Cap - Hex Head (M8 x 16mm)
	249-0218		4	Washer, Lock (M8)
	249-0315		4	Clamp, Retaining
2	Note 1			Generator [Includes PMG Exciter] (See Separate Pages for Stator and Rotor Components) Attaching Parts Generator To Skid Frame 6 and 7 Spec A & B
	800-0242	S161	4	Screw, Cap - Hex Head (1-8 x 3-1/2")
	850-0109	S613	4	Washer, Lock - Spring (1")
	526-0360	146180	8	Washer, Flat (1")
	370-4045	3025064	4	Spacer (frame 6 only)
	370-4046-01	125356	4	Shim
	370-4046-02	125357	4	Shim
	370-4046-03	125358	4	Shim
	862-0037	S222	4	Nut, Hex (1-8)
				Frame 6 and 7 Spec C
	800-0273		4	Screw, Cap - Hex Head (1 1/4-7 x 1-1/4")
	850-0092		4	Washer, Lock - Spring (1 1/4")
	526-0093		4	Washer, Flat (1 1/4")
	862-0017		4	Nut, Hex (1 1/4-7)
				Attaching Parts Adapter to Flywheel Housing
	800-0238	S145	2	Frame 6 and 7 Spec A & B
	800-0235	S106	14	Screw, Cap - Hex Head (1/2-13 x 1-1/4")
	850-0105	S608	16	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
				Washer, Lock - Spring (1/2")
	800-0576		16	Frame 6 and 7 Spec C
	850-0060		16	Screw, Cap - Hex Head (1/2-13 x 1-3/4", Grade 8)
				Washer, Lock - Spring (1/2")
				Attaching Parts Drive Disc to Flywheel
	815-0719	206332	6	Frame 6 Spec A & B
	526-0362	200861	6	Screw, Cap - 12 Point Drive (5/8-11 x 1-1/4")
				Washer, Flat (5/8")
	815-0725	206391	6	Frame 7 Spec A & B
	526-0362	200861	6	Screw, Cap - 12 Point Drive (5/8-11 x 1-1/2")
				Washer, Flat (5/8")
	800-0530		6	Frame 6 and 7 Spec C
				Screw, Cap - Hex Head (5/8-11 x 1-1/4", Grade 8)

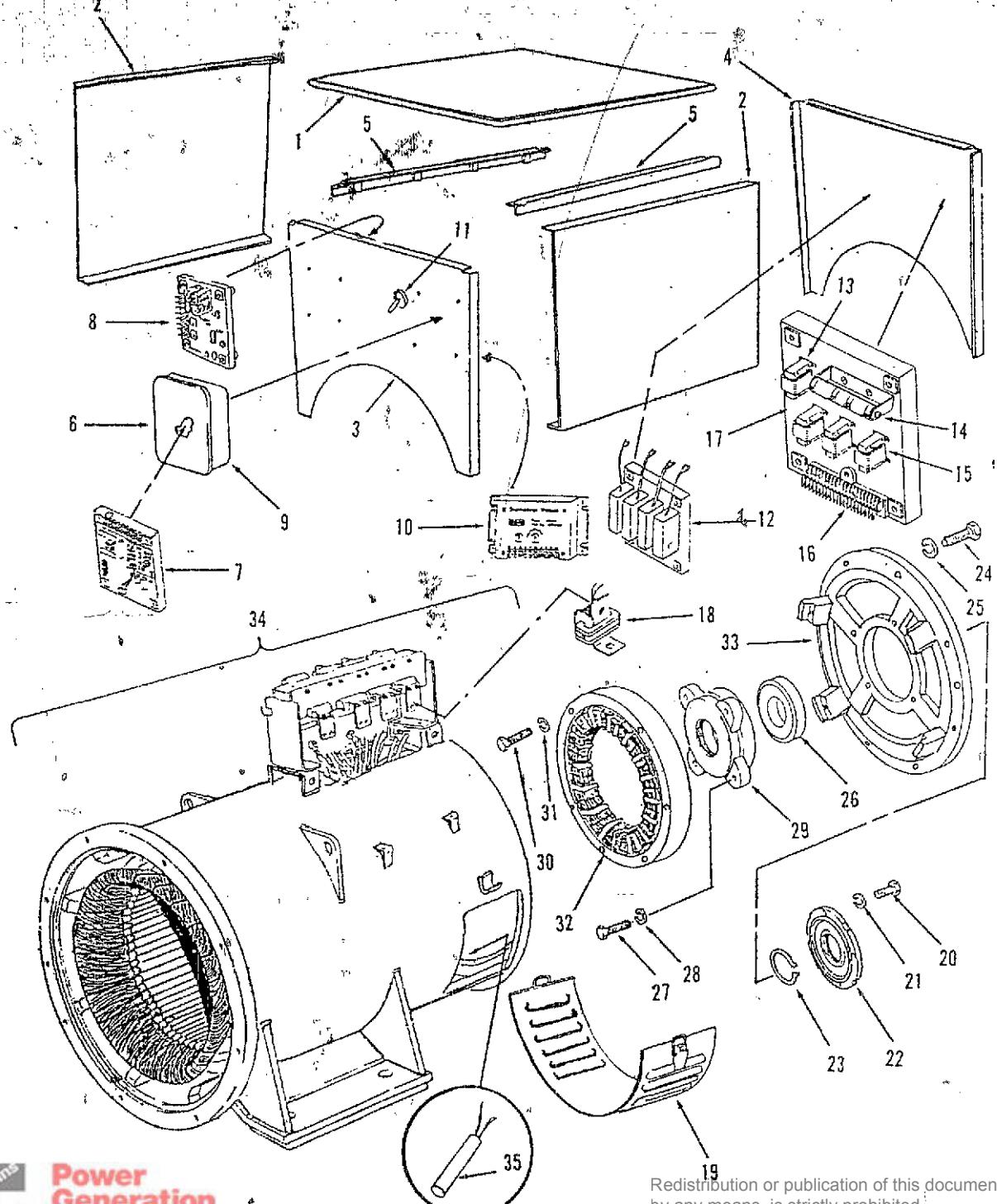
Note 1: For replacement Generator please supply the complete Gen Set nameplate and Generator nameplate data



**Power
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**Generator
Stator Section
Frame 16**



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**Generator
Stator Section
Frame 6**

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	Note 1		1	Lid
2	Note 1		2	Panel, Side
3	Note 1		1	Panel, Front
4	Note 1		1	Panel, Rear
5	Note 1		2	Bracket, Angle
6	249-0425		2	Lid Attaching Parts
	249-0304		8	Screw, Captive
7	305-0770		1	Regulator, Voltage Standard
	305-0778		1	3 Phase (Used with 3 Phase Sensing Module)
	305-0803		1	Manual
	249-0398		4	Attaching Parts
8	302-3278		1	Pillar, Threaded
	249-0398		4	Module, 3 Phase Sensing
	249-0395		2	Attaching Parts
9	249-0295		1	Pillar, Threaded
10	305-0822		1	Box
	249-0295		1	Module, Overvoltage
	249-0288		4	Attaching Parts
	249-0287		4	Screw, Cap - Hex Head (M5 x 35mm)
	249-0449		4	Washer, Plastic (M5)
	249-0449		4	Nut, Hex - Nylon (M5)
11	249-0449		1	Switch
12	249-0569		1	RFI Suppressor Assy
13	302-1851		1	Choke
14	354-0031		1	Resistor, Adjustable
15	249-0504		3	Transformer, Voltage Sensing
16	249-0289		3	Block, Terminal
17	249-0424		1	Panel, Terminal Block Mounting
18	302-1852-02		3	Transformer, Current
19	249-0513		1	Grille, Inlet - Air
20	249-0243		4	Screw, Cap - Hex Head (M10 x 30mm)
21	249-0202		4	Washer, Lock - Spring (M10)
22	249-0510		1	Cap, Bearing - Outer
23	249-0447		1	Circlip
24	249-0204		8	Screw, Cap - Hex Head (M12 x 40mm)
25	249-0205		8	Washer, Lock - Spring (M12)
26	249-0448		1	Bearing, Ball
27	249-0245		4	Screw, Cap - Hex Head (M10 x 50mm)
28	249-0202		4	Washer, Lock - Spring (M10)
29	249-0509		1	Cap, Bearing - Inner
30	249-0445		6	Screw, Cap - Hex Head (M6 x 85mm)
31	249-0212		6	Washer, Lock - Spring (M6)
32	249-0470		1	Stator, Exciter
33	249-0527		1	Bracket, End
34	Note 1		1	Stator, Generator (Includes Terminal Studs and Links)
	249-0204		8	Attaching Parts Stator to Adapter
	249-0205		8	Screw, Cap - Hex Head (M12 x 40mm)
				Washer, Lock - Spring (M12)
35				Heater, Electrical - Replacement
	249-0621		1	70 Watt, 120 VAC
	249-0622		1	70 Watt, 240 VAC

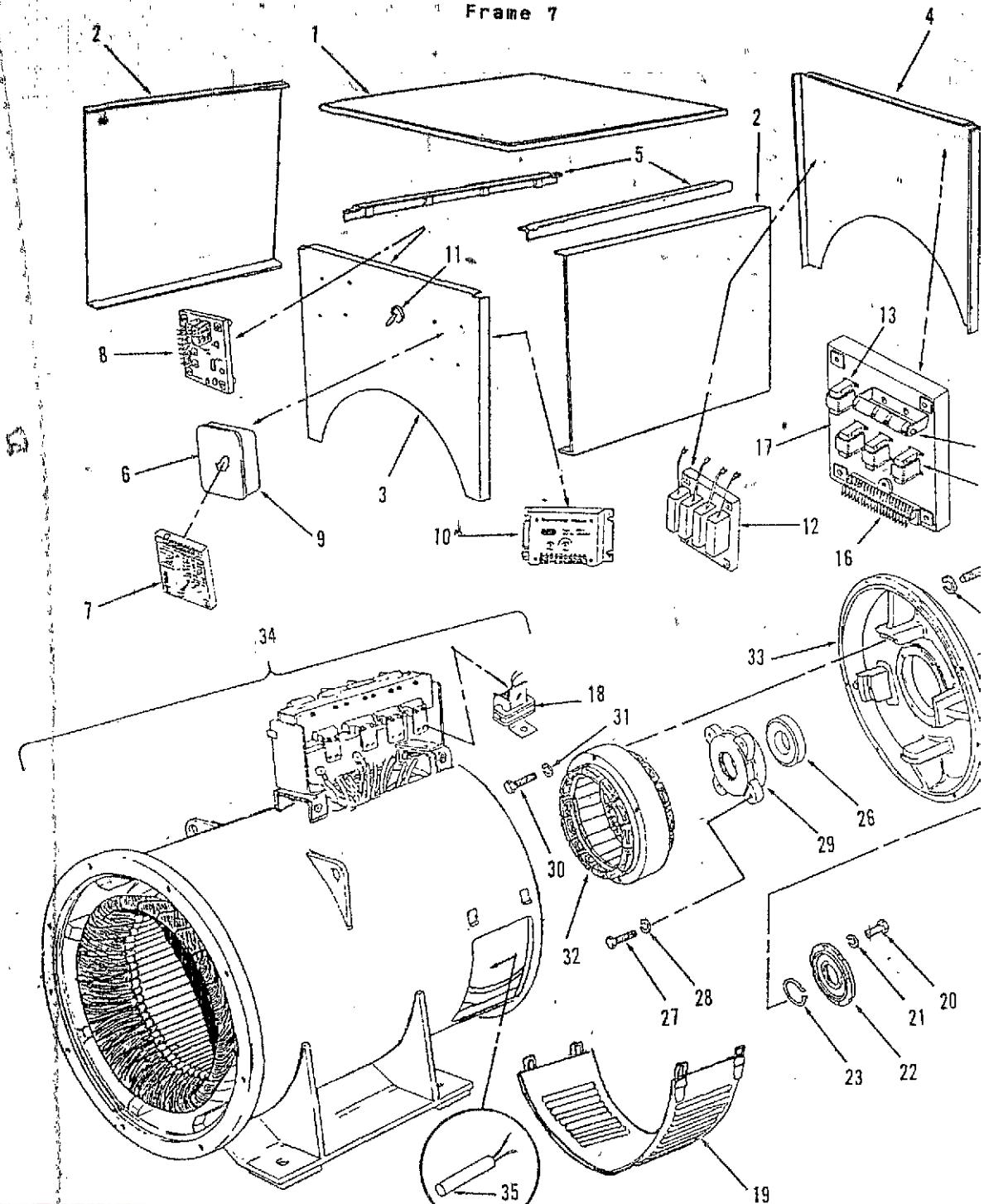
Notes. 1. Items not stocked, replacement available only on special order with long lead time likely



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**Generator
Stator Section
Frame 7**



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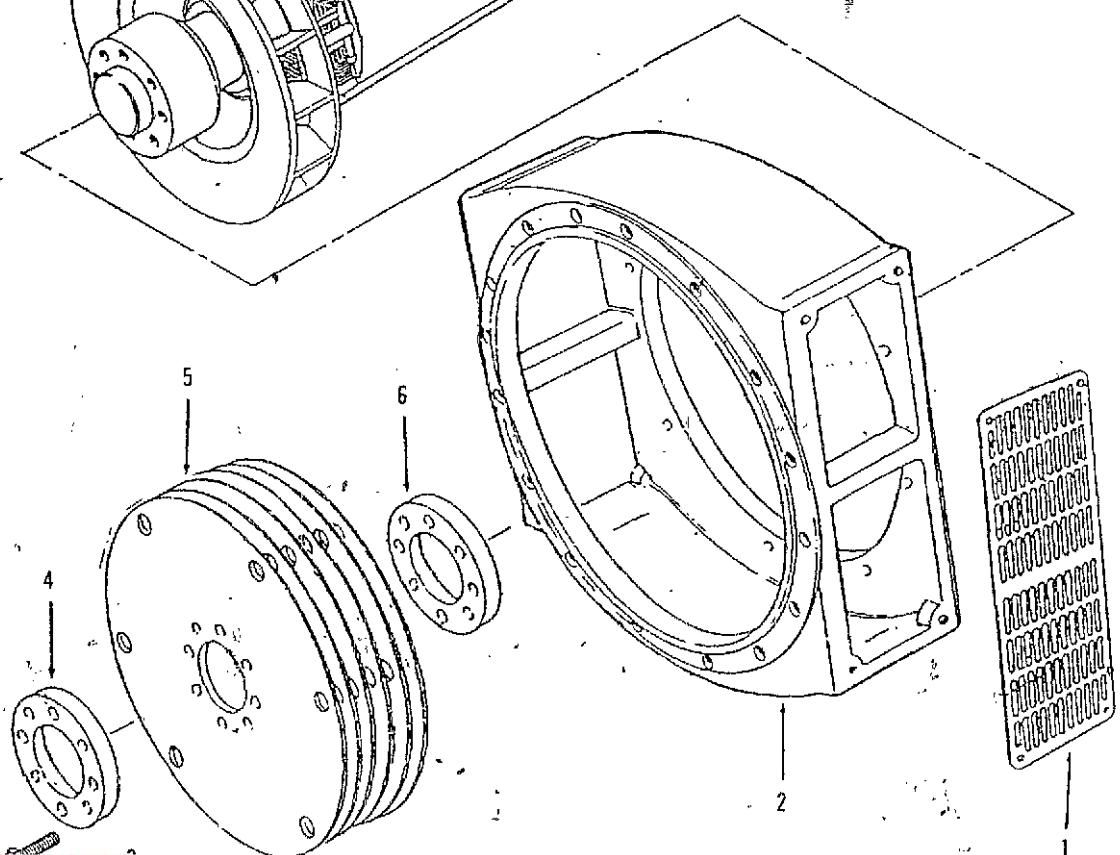
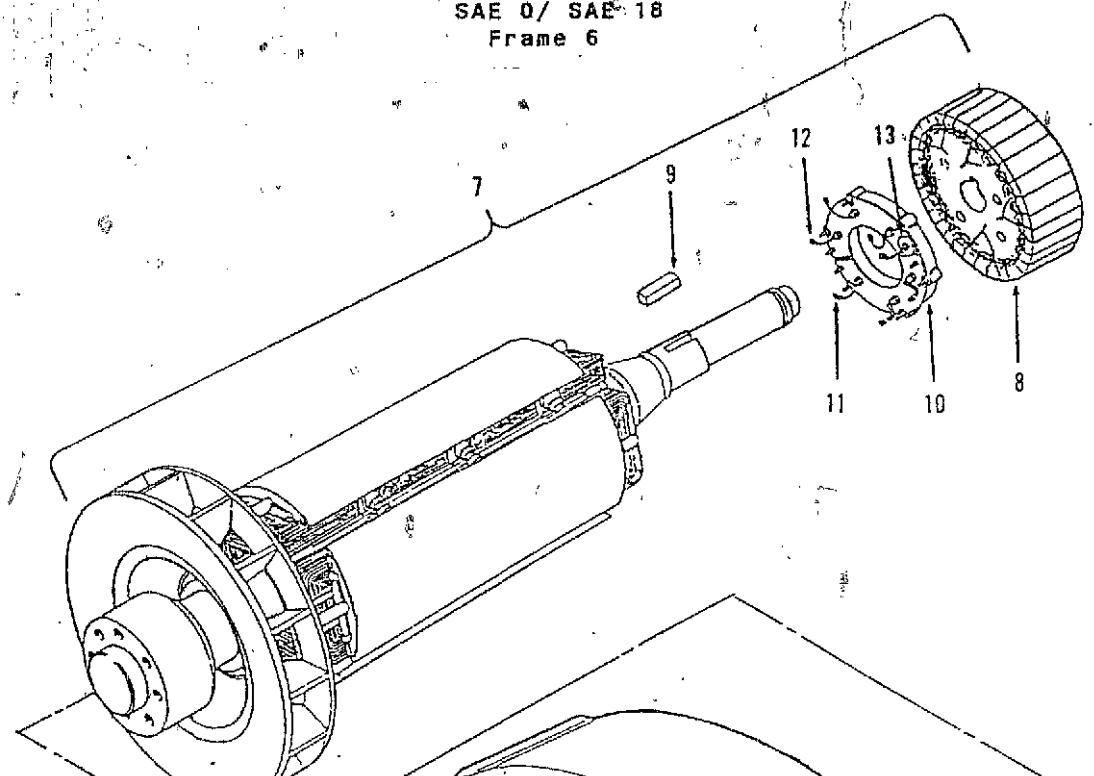
**Generator
Stator Section
Frame 7**

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	Note 1		1	Lid
2	Note 1		2	Panel, Side
3	Note 1		1	Panel, Front
4	Note 1		1	Panel, Rear
5	Note 1		2	Bracket, Angle
6	249-0425		2	Lid Attaching Parts
	249-0304		8	Screw, Captive
7	305-0770		1	Regulator, Voltage Standard
	305-0778		1	3 Phase (Used with 3 Phase Sensing Module)
	305-0803		1	Manual
	249-0398		4	Attaching Parts Pillar, Threaded
8	302-3278		1	Module, 3 Phase Sensing
	249-0398		4	Attaching Parts Pillar, Threaded
9	249-0395		2	Box
10	305-0822		1	Module, Overvoltage Attaching Parts
	249-0295		4	Screw, Cap - Hex Head (M5 x 35mm)
	249-0288		4	Washer, Plastic (M5)
	249-0287		4	Nut, Hex - Nylon (M5)
11	249-0449		1	Switch
12	249-0569		1	RFI Suppressor Assy
13	302-1851		1	Choke
14	354-0031		1	Resistor, Adjustable
15	302-1884		3	Transformer Voltage Sensing (Used on Standard Voltage Generators)
	302-1876		3	Isolation (Used on Medium Voltage Generators)
16	249-0289		3	Block, Terminal
17	249-0424		1	Panel, Terminal Block Mounting
18	302-1852-01		1	Transformer, Current Used on Standard Voltage Generators
	302-1852-03		3	Used on Medium Voltage Generators
19	249-0583		1	Grille, Inlet - Air
20	249-0243		4	Screw, Cap - Hex Head (M10 x 30mm)
21	249-0202		4	Washer, Lock - Spring (M10)
22	249-0510		1	Cap, Bearing - Outer
23	249-0447		1	Circlip
24	249-0204		8	Screw, Cap - Hex Head (M12 x 40mm)
25	249-0205		8	Washer, Lock - Spring (M12)
26	249-0448		1	Bearing, Ball
27	249-0245		4	Screw, Cap - Hex Head (M10 x 50mm)
28	249-0202		4	Washer, Lock - Spring (M10)
29	249-0509		1	Cap, Bearing - Inner
30	249-0438		6	Screw, Cap - Hex Head (M6 x 85mm)
31	249-0218		6	Washer, Lock - Spring (M6)
32	249-0470		1	Stator, Exciter
33	249-0471		1	Bracket, End
34	Note 1		1	Stator, Generator (Includes Terminal Studs and Links) Attaching Parts Stator to Adapter
	249-0204		8	Screw, Cap - Hex Head (M12 x 40mm)
	249-0205		8	Washer, Lock - Spring (M12)
35	249-0621		1	Heater, Electrical - Replacement 70 Watt, 120 VAC
	249-0622		1	70 Watt, 240 VAC

Notes: 1. Item not stocked, replacement may be available only by special order with a long lead time likely.



Generator
Rotor Section
SAE 0 / SAE 18
Frame 6



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**Generator
Rotor Section
SAE 0/ SAE 18
Frame 6**

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	249-0534		2	Screws, Air - Adapter Attaching Parts
	249-0294		12	Screw, Cap - Hex Head (M5 x 12mm)
	249-0307		12	Washer, Lock - Spring (MS)
	249-0365		12	Washer, Flat (MS)
2	249-0533		1	Adapter, Generator SAE 0
3	249-0437		8	Screw, Cap - Hex Head (M20 x 75mm)
	249-0230		1	Plate, Pressure
5	249-0276		6	Disc, Drive SAE 18
6	249-0277		1	Spacer
7	Note 1.		1	Rotor, Generator (Includes Exciter, Key, and Rectifier Assy)
8	249-0512		1	Rotor, Exciter (Does Not Include Rectifier Assy)
9	249-0620		1	Key
10	249-0237		1	Rectifier Assy (Includes Diodes)
11	249-0239		3	Diode, Forward Polarity
12	249-0238		3	Diode, Reverse Polarity
13	249-0240		1	Varistor

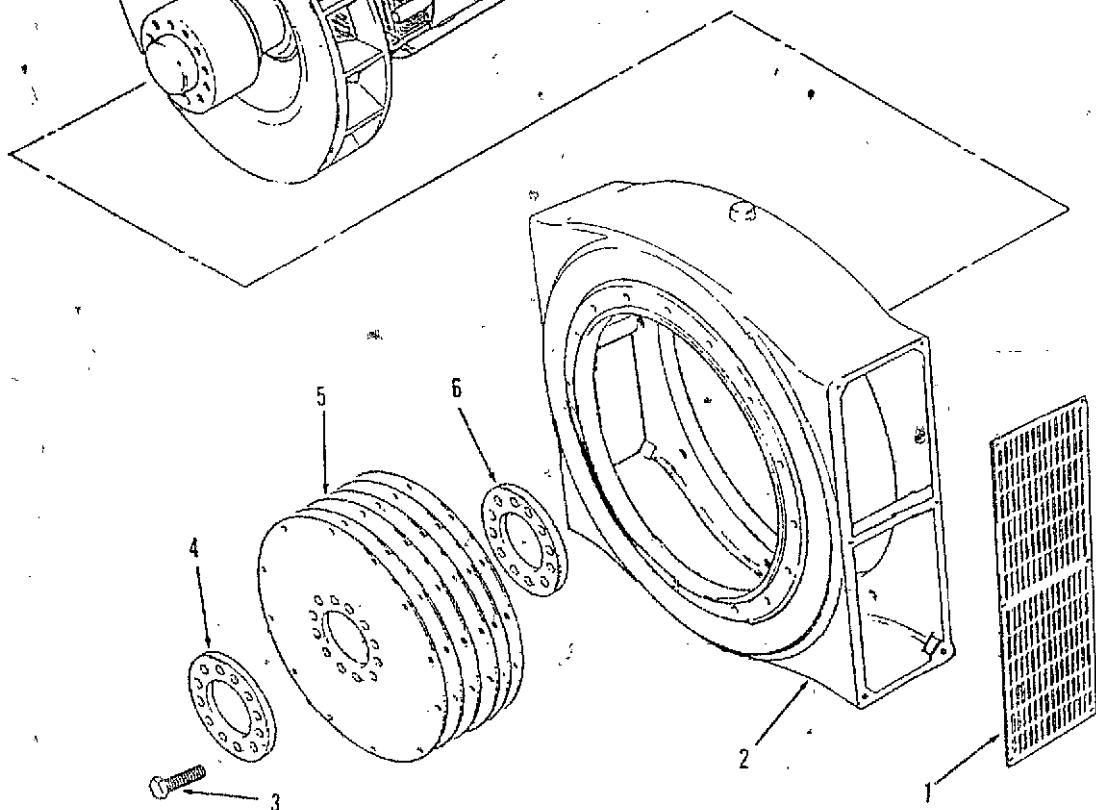
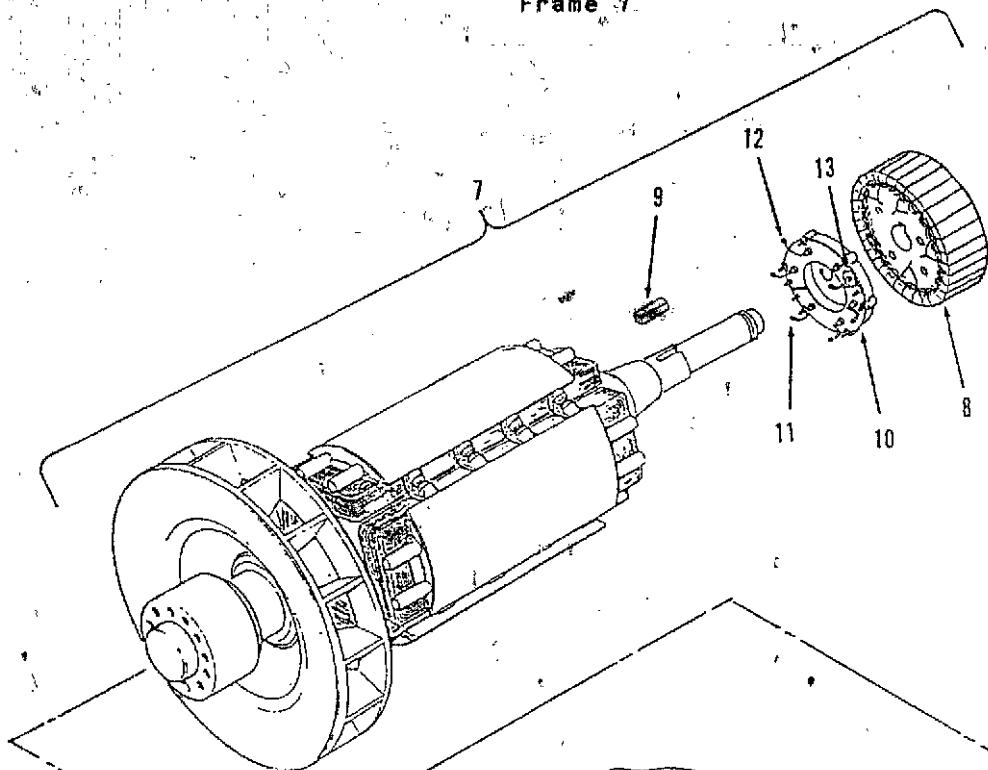
Notes: 1. Item not stocked, replacement available only on special order with long lead time likely.



**Power
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**Generator
Rotor Section
SAE 0/ SAE 18
Frame 7**



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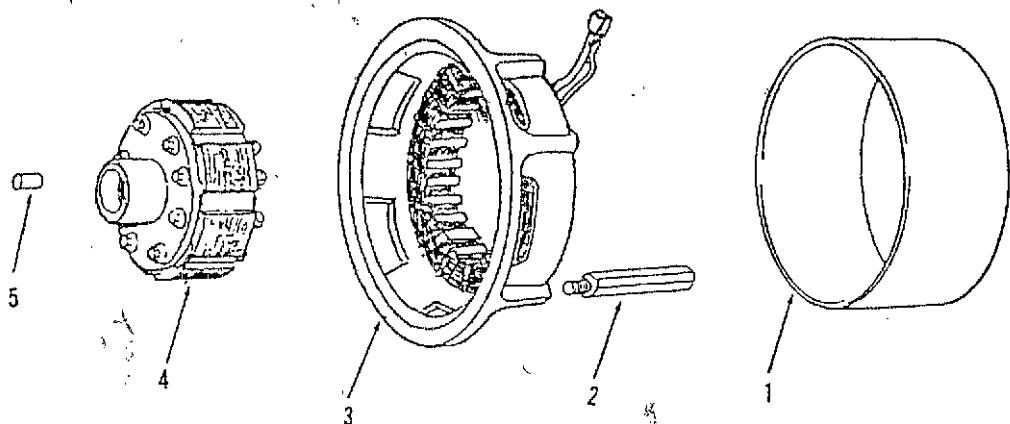
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**Generator
Rotor Section
SAE 0 / SAE 18
Frame 7**

REF. NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	249-0482		2	Screen, Air - Adapter Attaching Parts
	249-0294		12	Screw, Cap - Hex Head (M5 x 12mm)
	249-0307		12	Washer, Lock - Spring (M5)
	249-0365		12	Washer, Flat (M5)
2	249-0481		1	Adapter, Generator SAE 0
3	249-0444		8	Screw, Cap - Hex Head (M24 x 75mm)
4	249-0467		1	Plate, Pressure
5	249-0469		6	Disc, Drive SAE 18
6	249-0468		1	Spacer
7	Note 1.		1	Rotor, Generator (Includes Exciter, Key, and Rectifier Assy)
8	249-0503		1	Rotor, Exciter (Does Not Include Rectifier Assy)
9	249-0620		1	Key
10	249-0237		1	Rectifier Assy (Includes Diodes)
11	249-0239		3	Diode, Forward Polarity
12	249-0238		3	Diode, Reverse Polarity
13	249-0566		1	Varistor

Notes: 1. Item not stocked, replacement available only on special order with long lead time likely.

**Generator
Permanent Magnet Exciter**



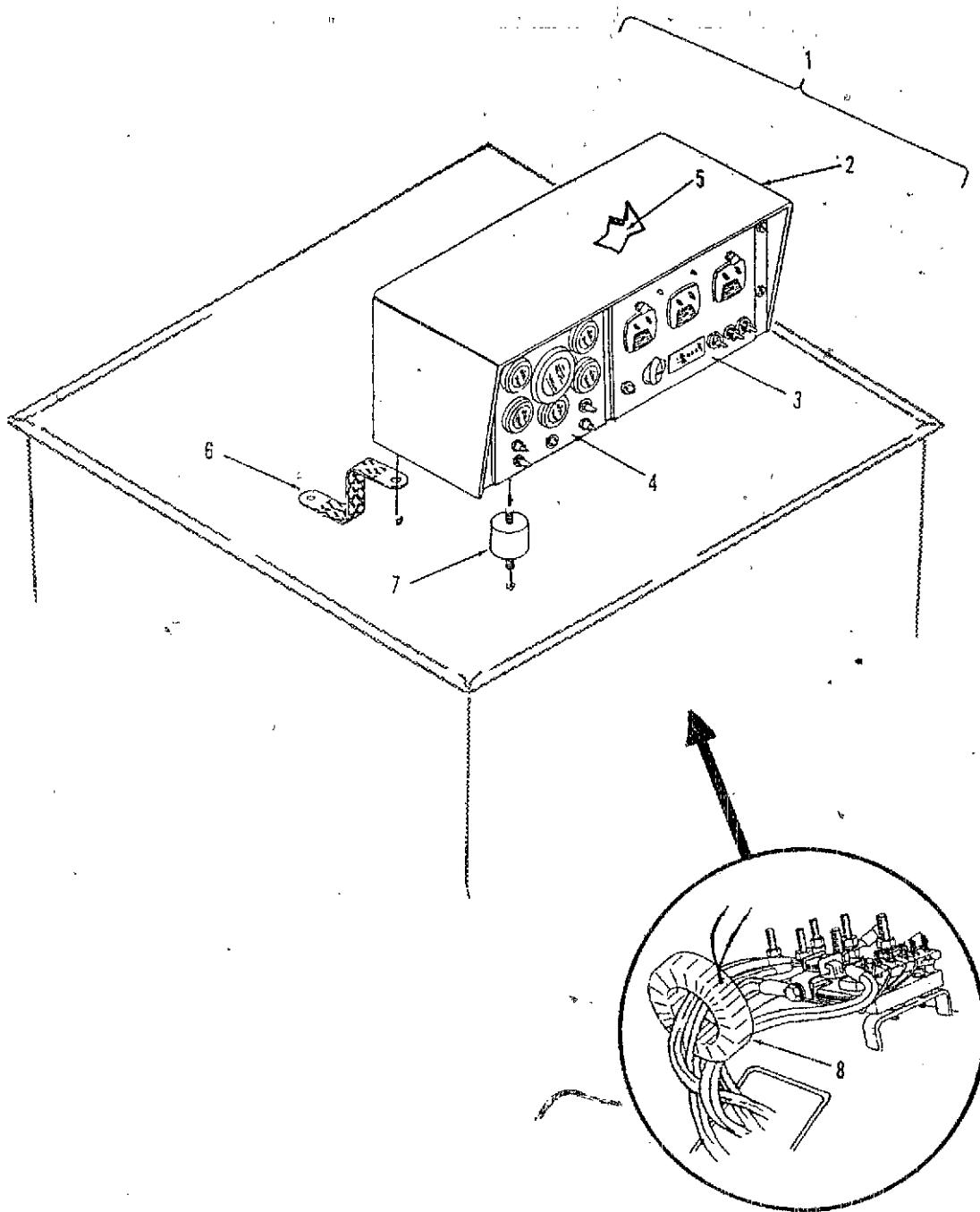
REF NO.	CPP PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	249-0497		1	Cover
	249-0294		3	Attaching Parts For Cover
	249-0307		3	Screw, Cap - Hex Head (MS x 12mm)
2	249-0423		3	Washer, Lock (MS)
3	249-0426		1	Pillar, Threaded
4	249-0427		1	Stator, Exciter with Frame
	249-0644		1	Rotor, Exciter (Select Rotor as Required)
	249-0399		1	Frame 2, 3, 4 Generators
	249-0495		1	Frame 5, 6, 7 Generators
5	249-0202		1	Attaching Parts For Rotor (Select Bolt as Required)
	249-0313		1	Bolt - Frame 2, 3, 4 Generators
				Bolt - Frame 5, 6, 7 Generators
				Washer, Lock (M10)
				Pin, Dowel

CONTROL SECTION

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Generator Set Control



Cummins
**Power
Generation**

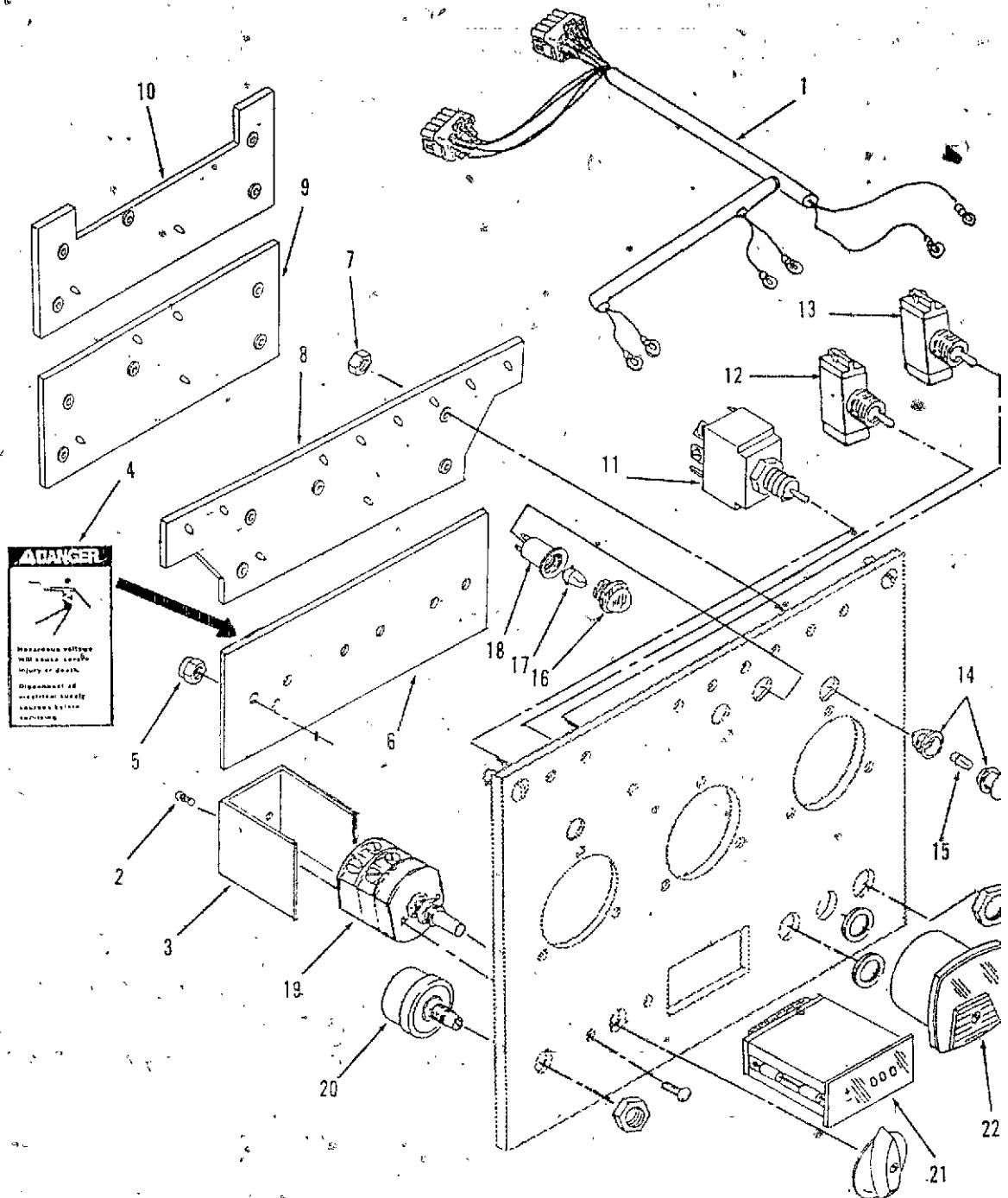
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Generator Set Control

REF NO.	CPS PART NO.	DEC PART NO.	QTY USED	PART DESCRIPTION
1			REF	Control, Generator Set (See Items 3 Thru 5 for Components) Attaching Parts for Control
	862-1001	70299	8	Nut, Hex.(1/4-20)
	850-1040	70189	8	Washer, Lock - Spring (1/4")
2	Note 1		1	Cover, Control
	815-0701	3016086	6	Attaching Part for Cover Screw, Machine - Round Head (1/4-20 x 1/2")
3			REF	Control Panel, Generator (See Separate Pages for Components)
4			REF	Control Panel, Engine (See Separate Pages for Components)
5			REF	Internal Components and Wiring Harnesses (See Separate Pages Selection)
6	337-2402	3016849	1	Lead, Electrical - Ground
7	402-0610	204493	4	Mount, Vibration
8	302-1866-05	3011674	3	Transformer, Current (Select as Required) 400:5 Ratio (Used with 200/400 AMP Ammeter)
	302-1866-09	3011678	3	600:5 Ratio (Used with 300/600 AMP Ammeter)
	302-1866-13	3011682	3	800:5 Ratio (Used with 400/800 AMP Ammeter)
	802-1866-15	3011684	3	1000:5 Ratio (Used with 500/1000 AMP Ammeter)
	302-1866-17	3011686	3	1200:5 Ratio (Used with 600/1200 AMP Ammeter and 1200 AMP Single Scale Ammeter)
	302-1866-21	3011690	3	1600:5 Ratio (Used with 800/1600 AMP Ammeter)
	302-1866-24	3014135	3	2000:5 Ratio (Used with 1000/2000 AMP Ammeter)
	302-1866-27	3051479	3	2500:5 Ratio (Used with 2500 AMP Single Scale Ammeter)
	302-1866-28	3051480	3	3000:5 Ratio (Used with 1500/3000 AMP & 3000 AMP Single Scale Ammeters)

Notes: 1. Item not stocked, replacement available only on special order with long lead time like?

**Generator Control Panel
With L E D Indicator Lights**



**Cummins
Power
Generation**

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**Generator Control Panel
With LED Indicator Lights**

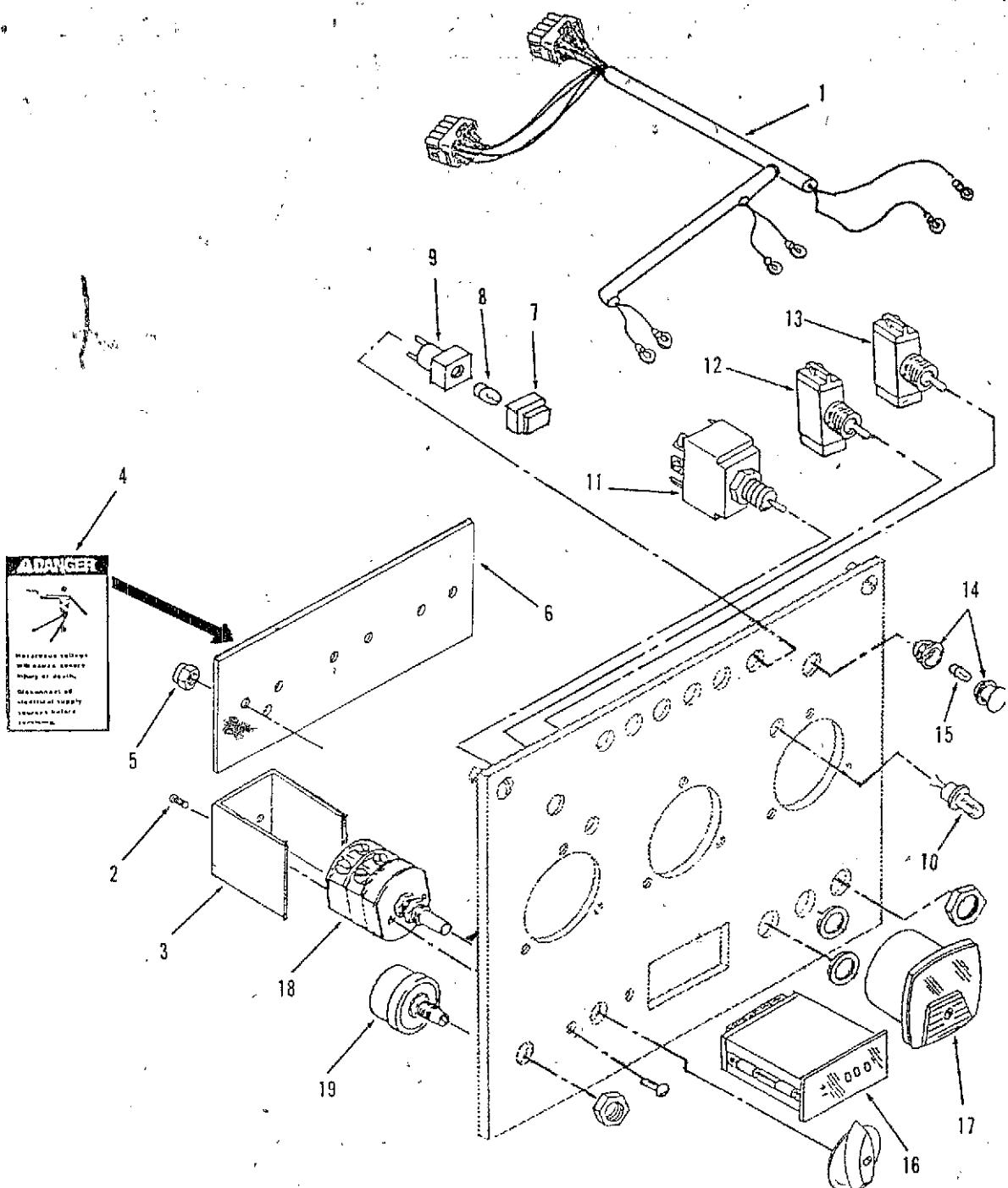
REF. NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1				REF Harness, Wiring (See Separate Pages for Selection and Applications)
2	812-0075		2	Screw, Machine - Round Head (#8-32 x 1/4")
3	306-3523		1	Shield, Switch
4	98-5387		1	Decal (Warning)
5	870-0437		7	Nut, Acorn - Plastic
6	306-3522		1	Shield, Meters
7	870-0451	70646	4	Nut, Self-locking - Hex (#8-32)
8	300-3283	3053064	1	Printed Circuit Board - 10 LED Lights
9	300-3282	3053063	1	Printed Circuit Board - 4 LED Lights
10	300-3281	3053062	1	Printed Circuit Board - 2 LED Lights
11				Switch, Toggle
	308-0885-05	3015057	1	(AUTOSTART ON/OFF/STANDBY)
	308-0885-06	3015058	1	(SYNCHRONIZING)
12	308-0885-11	3055738	1	Switch, Toggle (ALARM SILENCE)
13	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
14	322-0398	3035016	2	Light, Panel (Less Bulb)
15	322-0397-01	3035018	2	Bulb, Incandescent
16	322-0406	3056064	2	Lens, Clear (SYNCHRONIZING)
17	322-0404-01	3056065	2	Bulb, Incandescent
19	322-0405	3056063	2	Socket, Light
19	308-0884	3015860	1	Switch, Selector (Includes Knob)
20	303-0288	3058451	1	Rheostat
21	302-1860	3056071	1	Wattmeter
22				Meter (TYPICAL)
	302-1856	3015043	1	Voltmeter
	302-1858	3015044	1	Frequency/RPM
				Ammeter (Select as Required)
				DUAL SCALE
	302-1871-05	3039530	1	200/400 AMP
	302-1862	3015035	1	300/600 AMP
	302-1863	3015036	1	400/800 AMP
	302-1871-06	3051478	1	500/1000 AMP
	302-1864	3015037	1	600/1200 AMP
	302-1865	3015038	1	800/1600 AMP
	302-1871-01	3015039	1	1000/2000 AMP
	302-1871-09	3059965	1	1500/3000 AMP
	302-1871-10	3059966	1	2000/4000 AMP
				SINGLE SCALE
	302-1871-02	3015040	1	1200 AMP
	302-1871-03	3015041	1	1600 AMP
	302-1871-04	3015042	1	2000 AMP
	302-1871-07	3051479	1	2500 AMP
	302-1871-08	3051480	1	3000 AMP



**Power
Generation**

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**Generator Control Panel
With Bulb Indicator Lights**



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**Generator Control Panel
With Bulb Indicator Lights**

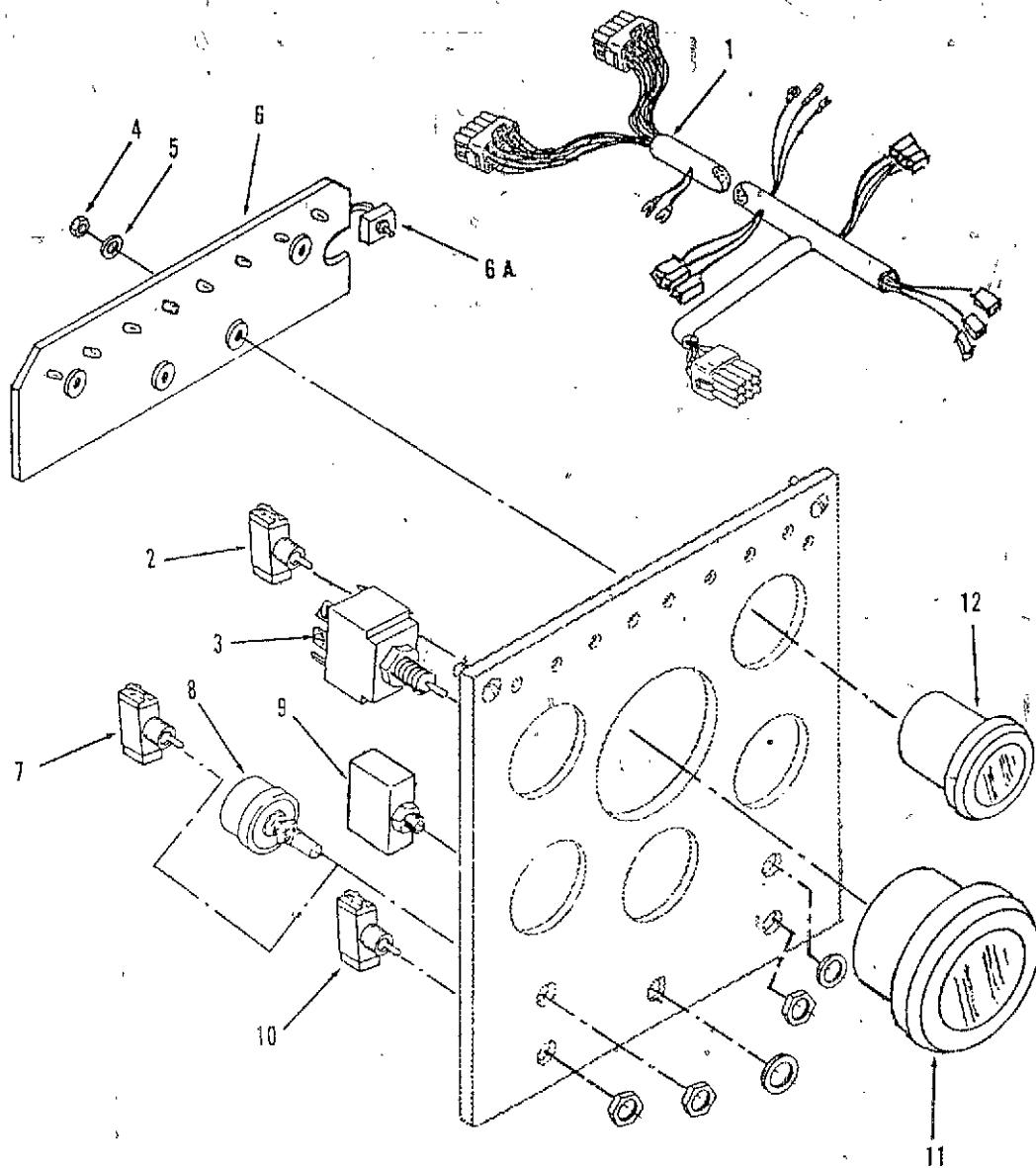
REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1				REF Harness, Wiring (See Separate Pages for Selection and Applications)
2	812-0075		2	Screw, Machine - Round Head (#8-32 x 1/4")
3	306-3523		1	Shield, Switch
4	98-5387		1	Decal (Warning)
5	870-0437		7	Nut, Acorn - Plastic
6	306-3522		1	Shield, Meters
7				Lens, Indicator Light
	3018795		4	Orange
	3018795		1	Red
	3018797		1	Green
	3018798		2	White (SYNCHRONIZING)
8	3018799		8	Bulb, Incandescent
9				Socket & Socket with Switch
	3018800		7	Socket, Light
	3014667		1	Socket, Light with Push Switch
10	3015133		2	Light, Indicator - Red Lens (UPPER/LOWER SCALE, INDICATING)
11				Switch, Toggle
	308-0885-05	3015057	1	(AUTOSTART-ON/OFF/STANDBY)
	308-0885-06	3015058	1	(SYNCHRONIZING)
12	308-0885-11	3055738	1	Switch, Toggle (ALARM SILENCE)
13	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
14	322-0398	3035016	2	Light, Panel (Less Bulb)
15	*322-0397-01	3035018	2	Bulb, Incandescent
16		3015018	1	Wattmeter
17				Meter
	302-1856	3015043	1	Voltmeter
	302-1858	3015044	1	Frequency/RPM
				Ammeter (Select as Required)
				DUAL SCALE
	302-1871-05	3039530	1	200/400 AMP
	302-1862	3015035	1	300/600 AMP
	302-1863	3015036	1	400/800 AMP
	302-1871-06	3051478	1	500/1000 AMP
	302-1864	3015037	1	600/1200 AMP
	302-1865	3015038	1	800/1600 AMP
	302-1871-01	3015039	1	1000/2000 AMP
	302-1871-09	3059965	1	1500/3000 AMP
	302-1871-10	3059966	1	2000/4000 AMP
				SINGLE SCALE
	302-1871-02	3015040	1	1200 AMP
	302-1871-03	3015041	1	1600 AMP
	302-1871-04	3015042	1	2000 AMP
	302-1871-07	3051479	1	2500 AMP
	302-1871-08	3051480	1	3000 AMP
18	308-0884	3015860	1	Switch, Selector (Includes Knob)
19	303-0288	3058451	1	Rheostat



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Engine Control Panel
With L E D Indicator Lights



**Engine Control Panel
With L E D Indicator Lights**

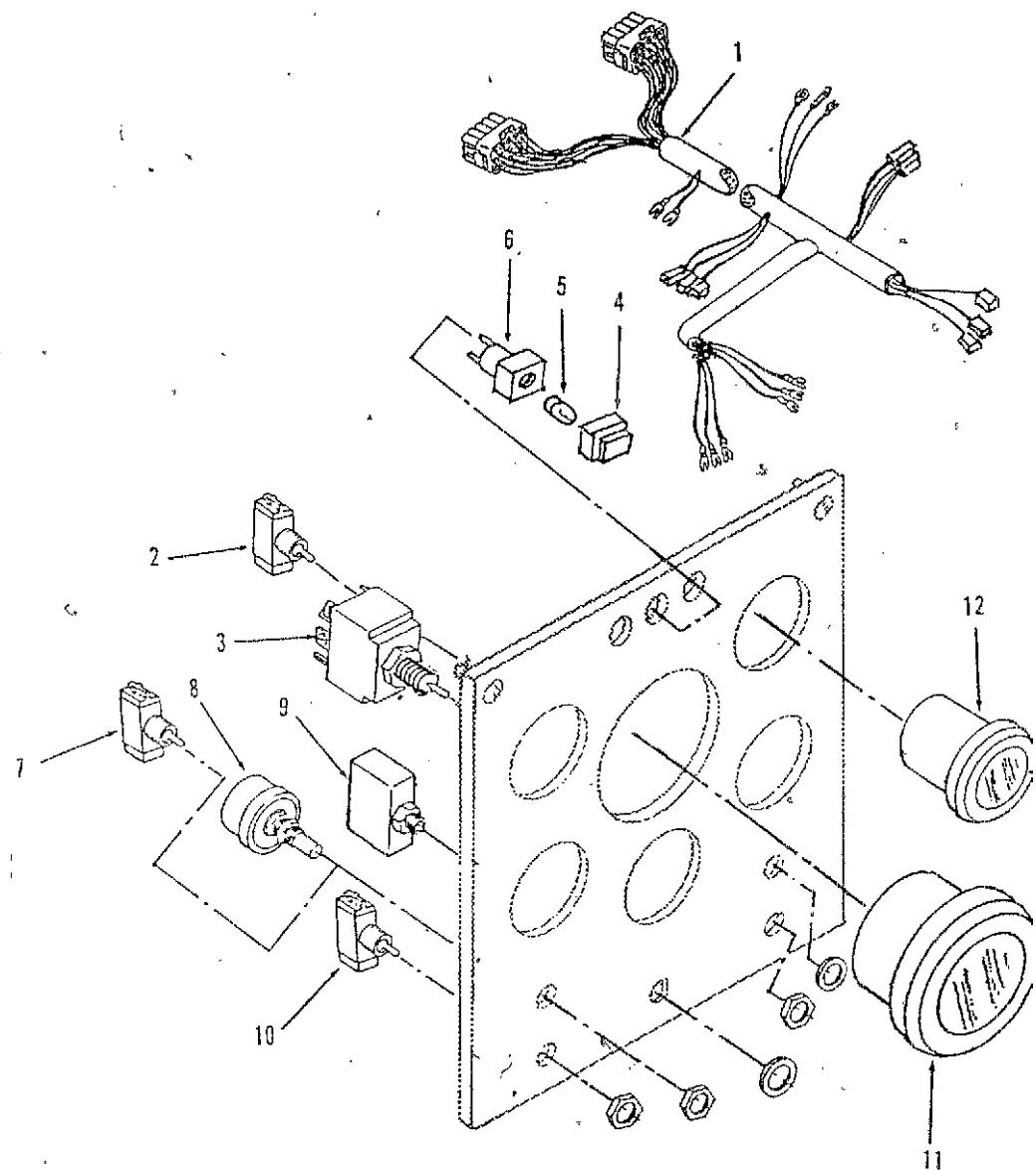
REF NO.	CPS PART NO.	DEC PART NO.	QTY. USED	PART DESCRIPTION
1	338-2252	3053044	1	Harness, Wiring (Includes items 2 & 3)
2	308-0885-09	3055486	1	Switch, Toggle (CRANK)
3	308-0885-01	102057	1	Switch, Toggle (START/RUN/OFF)
4	870-0451	70646	4	Nut, Self-locking - Hex (#8-32)
5	526-0352	128006	4	Washer, Flat (3/16")
6				Printed Circuit Board (Includes Test Lamp Switch)
	300-3279	3053060	1	5 L E D Indicator Lights
	300-3280	3053061	1	8 L E D Indicator Lights
6A	308-0885-10	3055487	1	Switch, Toggle (LAMP TEST)
7	308-0885-03	3015055	1	Switch, Toggle (RAISE/LOWER)
8	303-0290	3015105	1	Potentiometer (SPEED ADJUST)
9	320-1616	3034958	1	Circuit Breaker
10	308-0885-02	104215	1	Switch, Toggle (RUN/IDLE)
11	302-1855	3031734	1	Tachometer
12				Gauge/Meter
	193-0400-01	3015232	1	Gauge, Pressure - Oil
	193-0401-01	3015233	1	Gauge, Temperature - Oil
	193-0402-01	3015234	1	Gauge, Temperature - Water
	302-1857-01	3015235	1	Voltmeter
	302-1859-01	3035766	1	Hourmeter



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**Engine Control Panel
With Bulb Indicator Lights**



**Engine Control Panel
With Bulb Indicator Lights**

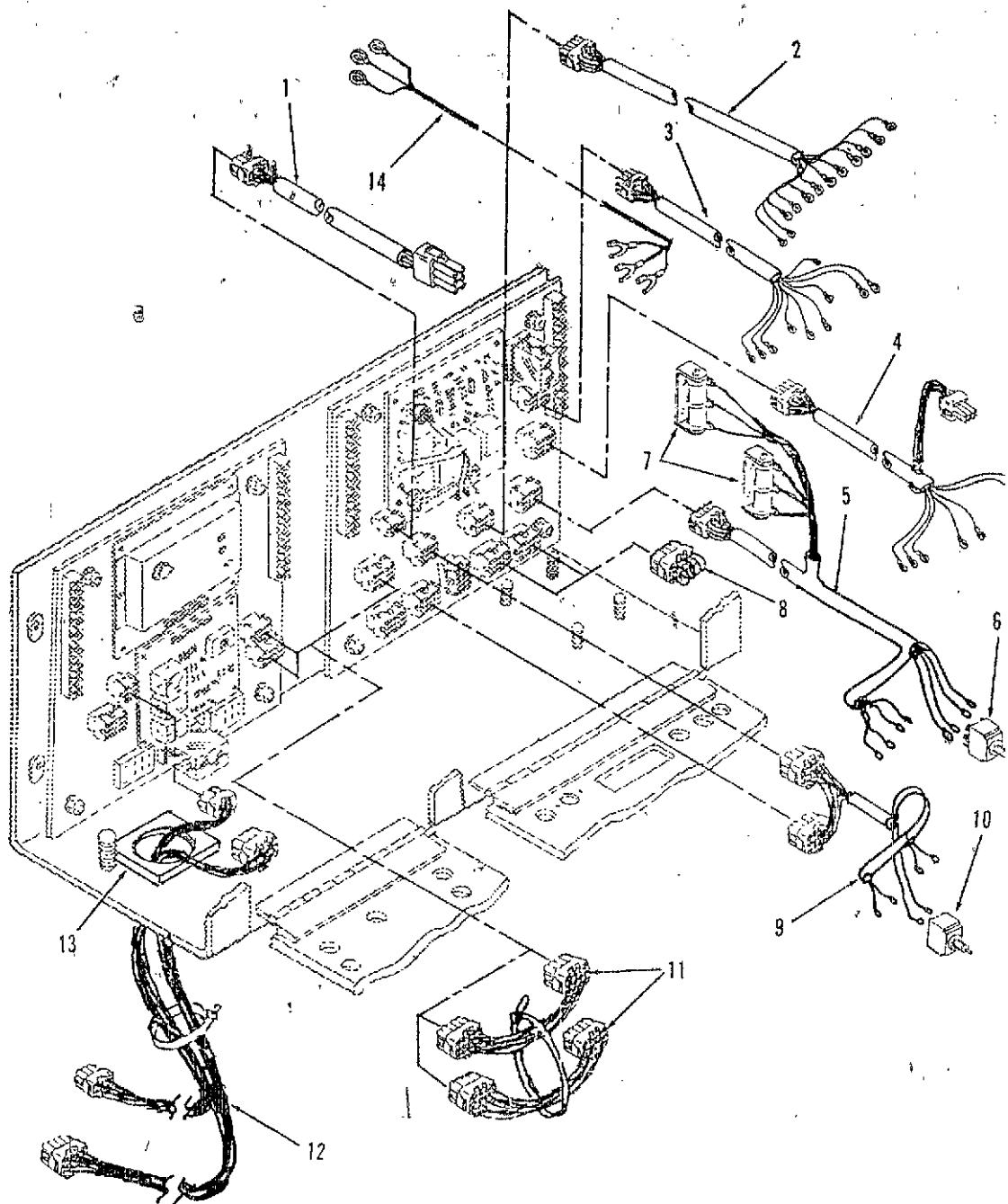
REF NO.	OPS PART NO.	GEC PART NO.	QTY. USED	PART DESCRIPTION
1		3035126	1	Harness, Wiring (Includes items 2 & 3)
2	308-0885-09	3055498	1	Switch, Toggle (CRANK)
3	308-0885-01	102057	1	Switch, Toggle (START/RUN/OFF)
4		3018795	3	Lens; Light (ORANGE)
5		3018799	3	Bulb, Light
6		3018800	3	Socket, Light
7	308-0885-03	3015055	1	Switch, Toggle (RAISE/LOWER)
8	303-0290	3015105	1	Potentiometer (SPEED ADJUST)
9	320-1616	3034953	1	Circuit Breaker
10	308-0885-02	104215	1	Switch, Toggle (RUN/IDLE)
11	302-1855	3031734	1	Tachometer
12				Gauge or Meter
	193-0400-01	3015232	1	Gauge, Pressure - Oil
	193-0401-01	3015233	1	Gauge, Temperature - Oil
	193-0402-01	3015234	1	Gauge, Temperature - Water
	302-1857-01	3015235	1	Voltmeter
	302-1859-01	3035766	1	Hourmeter



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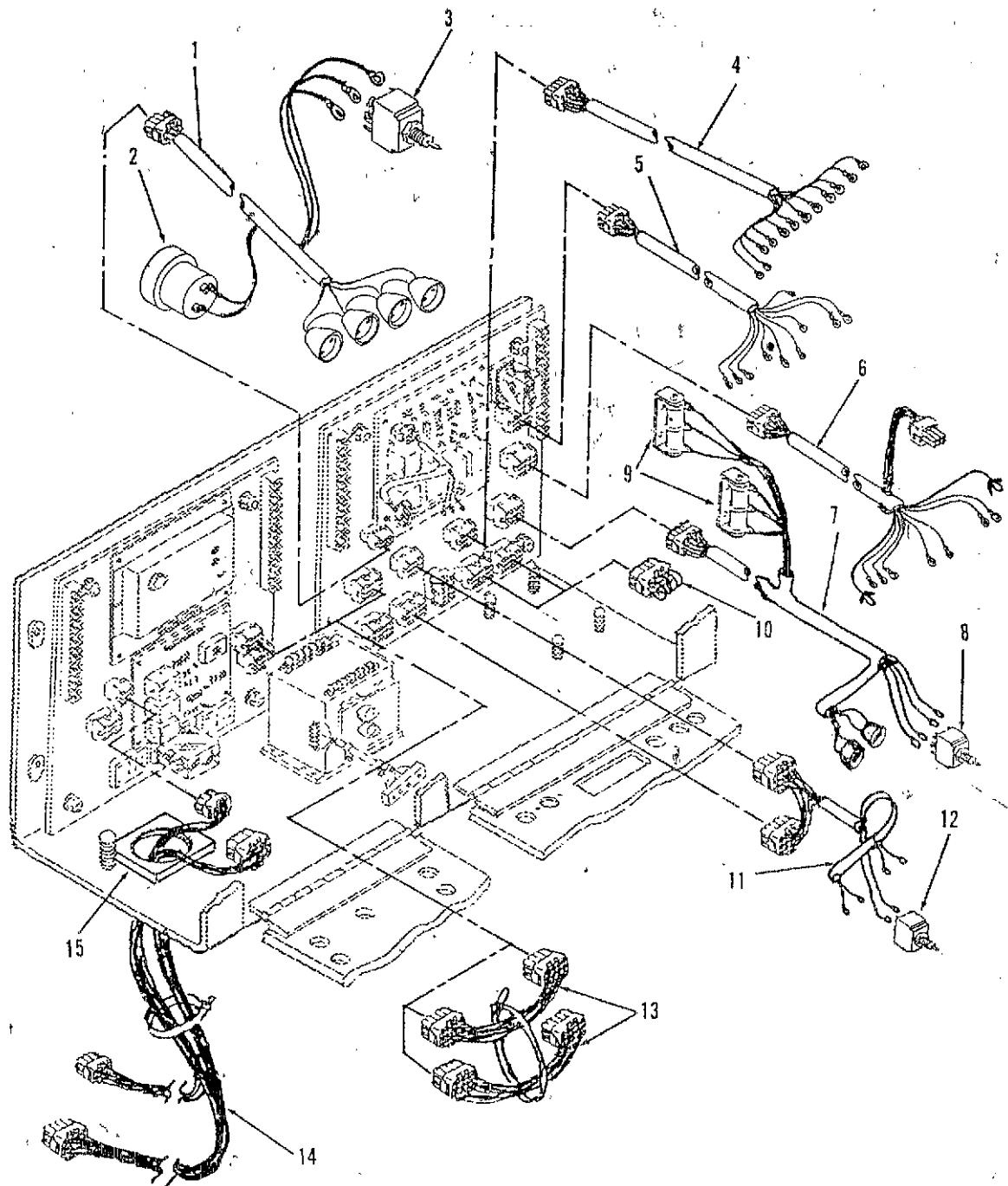
Set Control - Wiring Harnesses
(Sets With LED Indicator Lights)



Set Control - Wiring Harnesses
(Sets With LED Indicator Lights)

REF NO.	OPS PART NO.	GEC PART NO.	QTY USED	PART DESCRIPTION
1	338-2255	3053048	1	Harness, Wiring (PCB TO LED PCB)
2	338-2258	3056066	1	Harness, Wiring (PCB TO WATTMETER)
3	338-2250	3035147	1	Harness, Wiring (PCB TO VOLT/AMP SELECTOR SWITCH)
4	338-2253	3053046	1	Harness, Wiring (PCB TO AC METER)
5	338-2383	3053033	1	Harness, Wiring (PCB TO RESISTORS AND SYNCHRONIZING SWITCH; Includes The Resistors and Switch)
6	308-0885-06	3015058	1	Switch, Toggle (SYNCHRONIZING)
7		3055739	2	Resistor, Wirewound with Mounting Bracket Attaching Parts for Resistor
	860-0003	3043636	4	Nut, Hex
	850-0010	3043637	4	Washer, Lock - Spring
8	338-2312	3056089	2	Harness, Wiring (HIGH/LOW WYE ADAPTER)
9	338-2256	3056061	1	Harness, Wiring (PCB TO PANEL LIGHTS AND SWITCH; Includes The Switch)
10	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
11	338-2248	3035132	1	Harness Assembly, Wiring (ENGINE CONTROL PCB TO GENERATOR CONTROL PCB)
12				Harness Assembly, Wiring - With Shielded Leads (ENGINE WIRING HARNESS TO ENGINE CONTROL PCB; Select Length as Applicable)
	338-2301-03	3053039	1	9.3 Feet
	338-2301-04	3053040	1	11.3 Feet
	338-2301-05	3053041	1	15.3 Feet
	338-2301-06	3053042	1	25.3 Feet
	338-2301-07	3053043	1	50.0 Feet
13	331-0525	204494	1	Gasket, Conduit
14	338-2251	3044442	1	Harness, Wiring (PCB TO GEN TERMINAL BLOCK)

**Set Control - Wiring Harnesses
(Sets With Bulb Indicator Lights)**



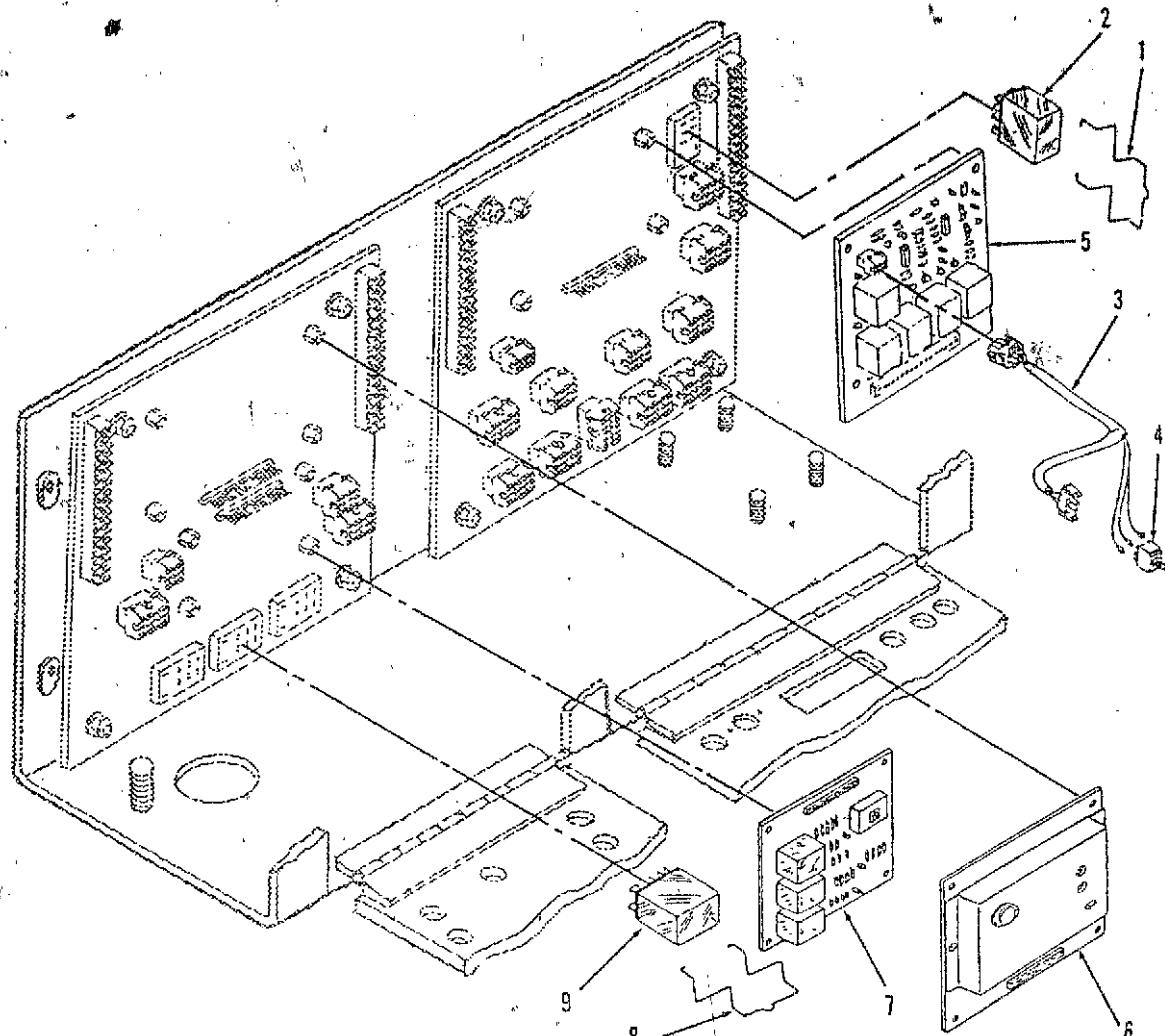
**Set Control - Wiring Harnesses
(Sets With Bulb Indicator Lights)**

REF NO.	CPS PART NO.	GEC PART NO.	QTY USED	PART DESCRIPTION
1		3035145	1	Harness, Wiring (PCB TO HORN, SWITCH AND INDICATOR LIGHTS; Includes The Horn and Switch)
2		3015118	1	Horn
3	308-0885-04	3015056	1	Switch, Toggle (ALARM SILENCE)
4		3035142	1	Harness, Wiring (PCB TO WATT TRANSDUCER)
5	338-2250	3035147	1	Harness, Wiring (PCB TO VOLT/AMP SELECTOR SWITCH)
6		3035144	1	Harness, Wiring (PCB TO AC METER AND RED INDICATOR LIGHTS; Includes Red Indicator Lights)
7		3035147	1	Harness, Wiring (PCB TO RESISTORS, SYNCHRONIZING LIGHTS AND SWITCH; Includes The Resistors and Switch)
8	308-0885-06	3015058	1	Switch, Toggle (SYNCHRONIZING)
9		3015109	2	Resistor, Wirewound with Mounting Bracket Attaching Parts for Resistor
	860-0003	3043636	4	Nut, Hex
	850-0010	3043637	4	Washer, Lock - Spring
10	338-2249	3035140	2	Harness, Wiring (HIGH/LOW WYE ADAPTER)
11	338-2256	3056061	1	Harness, Wiring (PCB TO PANEL LIGHTS AND SWITCH; Includes The Switch)
12	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
13	338-2248	3035132	1	Harness Assembly, Wiring (ENGINE CONTROL PCB TO GENERATOR CONTROL PCB)
14				Harness Assembly, Wiring (ENGINE WIRING HARNESS TO ENGINE CONTROL PCB; Select Length as Applicable)
	338-2276-01	3035127	1	5.3 Feet
	338-2276-02	3035128	1	7.3 Feet
	338-2276-03	3035129	1	9.3 Feet
	338-2276-04	3035130	1	11.3 Feet
	338-2276-05	3035131	1	15.3 Feet
13	331-0525	204494	1	Gasket, Conduit



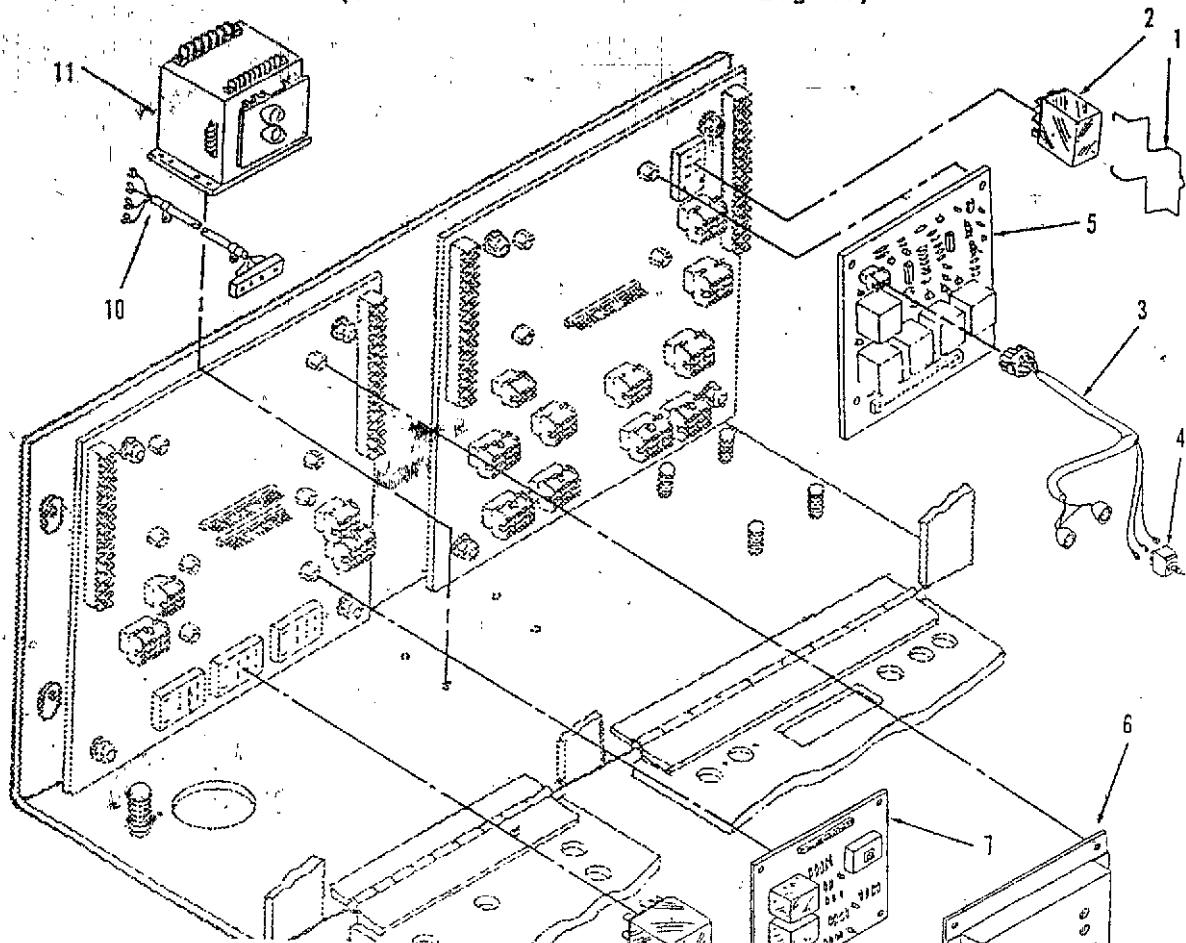
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**Set Control - Internal Components
(Sets With LED Indicator Lights)**



REF. NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	307-2623	3034957	1	Retainer, Relay
2	307-2622	3034958	1	Relay
3	338-2254	3053047	1	Harness, Wiring - AutoStart to LEDs (Includes Switch)
4	308-0885-05	3015057	1	Switch, Toggle (AutoStart)
5	300-3277	3054341	1	Board, Printed Circuit - AutoStart
				Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
6	151-0683-03	3062323	1	Control, Governor
				Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
7	309-0574	3036453	1	Control or Circuit Board (Select as Applicable)
	300-3591	3035015	1	Control, Overspeed
				Board, Adapter - Hydraulic Governor
				Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
8	307-2623	3034957	1	Retainer, Relay
9	307-2684	3034962	1	Relay

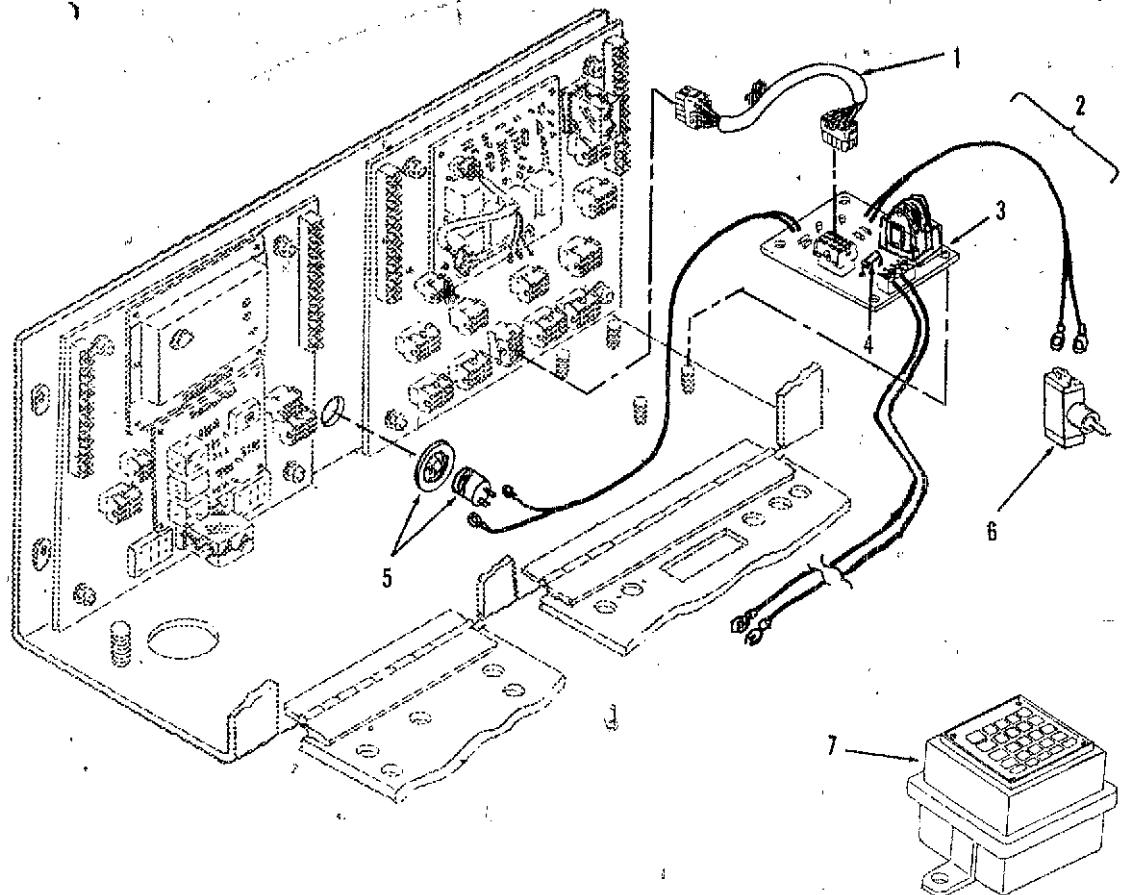
**Set Control - Internal Components
(Sets With Bulb Indicator Lights)**



REF.	CPS NO.	CEC PART NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2623	3034957	1	1	Retainer, Relay
2	307-2622	3034958	1	1	Relay
3		3035143	1	1	Harness, Wiring - AutoStart to Bulbs (Includes Switch)
4	308-0885-05	3015057	1	1	Switch, Toggle (AutoStart)
5	300-3277	3054341	1	1	Board, Printed Circuit - AutoStart
					Attaching Parts for Board
	815-0702	70310	4	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	4	Washer, Lock - Spring (#6)
6	151-0683-03	3062323	1	1	Control, Governor
					Attaching Parts for Board
	815-0702	70310	4	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	4	Washer, Lock - Spring (#6)
7	309-0574	3036453	1	1	Control or Circuit Board (Select as Applicable)
	300-3591	3035015	1	1	Control, Overspeed
					Board, Adapter - Hydraulic Governor
	815-0702	70310	4	4	Attaching Parts for Board
	850-1020	70262	4	4	Screw, Machine - Pan Head (#6-32 x 3/8")
8	307-2623	3034957	1	1	Washer, Lock - Spring (#6)
9	307-2684	3034962	1	1	Retainer, Relay
10		3015019	1	1	Relay
					Harness, Wiring - Transducer to Wattmeter
					Attaching Parts for Harness
11		3018792	2	2	Screw, Self-Tapping - Round Head
		3015017	1	1	Transducer, Watt

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Set Control - Alarm Module



REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	338-2257	3056062	1	Harness, Wiring - Alarm Board to Gen Control Board Module, Alarm (Includes PC Board, Horn, Switch and Electrical Leads to Horn, Switch and Generator Terminal Board)
2	300-3286	3054296	1	Sets with Four Fault Indicators
	300-3287	3054297	1	Sets with Six Fault Indicators
3	Note 1	Note 2	1	Board, Printed Circuit - Alarm Module (Includes Fuse)
	Note 1	Note 2	1	Sets with Four Fault Indicators
				Sets with Six Fault Indicators
				Attaching Parts for Board
	870-0451	70646	4	Nut, Self-locking - Hex (#8-32)
	526-0352	128006	4	Washer, Flat (#/16")
4	Note 3	3062691	1	Fuse
5	333-0133		1	Horn, Electrical - 24VDC
6	308-0885-11	3055738	1	Switch, Toggle
7	333-0405-02	149806	1	Horn, Electrical with PC Board and Weather-tight Box for Outdoor Applications. NOT PART OF SET ALARM MODULE!

NOTES: 1. Not stocked as replacement item, order applicable Item 2 for replacement.
 2. Not Stocked as replacement item, order applicable Item 2 for replacement
 Not stocked as replacement item.

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